



Charlottesville City Schools Program of Studies 2022-2023

Revised 12/2/2021

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Introduction

January 1, 2022

Dear Parent/Guardian:

With the beginning of the new semester, it is also time to start thinking about courses for the next school year. As a piece of this process, a *Program of Studies* is made available to you and your student to provide an opportunity to consider the course offerings that might best suit your child's needs. In an effort to keep up with our electronic world, the Program of Studies will be posted on the Charlottesville City Schools website along with the Walker Upper Elementary, Buford Middle, and Charlottesville High websites under the *Program of Studies* link.

This Program of Studies identifies courses available in grades 6-12. Course offering may be limited by factors including, but not limited to, student interest and staff availability.

The program planning process will follow a seven-step approach (Buford / CHS):

1. **Programs of Studies:** These will be made available to parents and students to study and to make preliminary selections. Remember to select two alternate choices for electives. (January)
2. **Teacher Recommendations:** Teachers will enter recommendations for each student in the student database. (January)
3. **Course and Elective Presentations:** Students and parents will have an opportunity to contact representatives about course offerings and course selection. (January)
4. **Parent Input:** Following the curriculum fair, parents can make course recommendation requests (January, one week window)
5. **Classroom Presentations and Small Group Program Planning Sessions:** Counselors will visit English classes to explain the Program Planning Process, and to meet with students individually to review the teacher recommendations, their four-year plans, and their transcripts. (January –February)
6. **Courses selected** can be viewed on student's Powerschool.
7. **Schedule Adjustments:** Teachers, students, and parents with concerns about the courses selected may make appointments with counselors to make adjustments.

To ensure the best choice of courses, especially elective courses, all selections should be given the most thoughtful consideration. As the master schedule is designed around students' choices early in the process, alternate courses may not be available at a later date.

We are looking forward to a successful program planning season, with your assistance.

Thank you for your attention to this letter and for your assistance in helping us plan for the next school year.

Sincerely,

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General Information

Program Of Studies

This *Program of Studies* outlines courses and options of study from Walker Upper Elementary School, transitioning through Buford Middle School, and through Charlottesville High School. This *Program of Studies* provides an overview of Charlottesville City Schools' academic offerings (grades 6 -12) and career information to help students make wise curricular decisions that will benefit them academically and prepare them for future work and training in an increasingly technical world. Placement of students in most academic courses is based on individual achievement in prerequisite classes, needs, and interests. **Students are urged to read course descriptions carefully and select the level that best suits their achievement, needs, and interests in each subject.** The student, parent, school counselor, and teacher decide placement in a subject area or level of a subject cooperatively. This decision includes a thorough review of student progress, results of standardized test scores, passing necessary prerequisite classes and teacher evaluation of student performance on formative and summative assessments.

Scheduling Process And Requirements

Walker Upper Elementary School

The scheduling process at Walker begins with information from CCS elementary schools. In fifth and sixth grades, students complete a common course of study with elective class offerings in place for students to explore a variety of academic pursuits.

Buford Middle School

Students entering Buford select courses based on their abilities and interest to prepare to enter high school. Rigorous core courses are offered to all students as well as a rich selection of elective courses. In middle school, students are provided the opportunity to try elective courses that pique their interest. Students have the opportunity to earn high school credit in several elective courses.

Charlottesville High School

Students should select courses that best suit their abilities and interests based on a combination of logical and sequential courses of study. Students register for courses during small group and individual program planning sessions with their counselors to review selections and discuss future plans. All students must schedule seven courses, one for each period in the day, and two alternates. Some students may wish to select eight courses, one for each period in the day plus an early morning period. Exceptions to this policy are students enrolled in approved work/study programs. **Every attempt is made to offer appropriate courses of study for students. Some courses, however, may not be offered due to insufficient enrollment, and/or the lack of teacher availability.**

School Counselors

The School Counseling Department's policies, procedures, and curriculum are based on the American School Counseling Association's National Model of providing a planned, sequential, and comprehensive school counseling program. The school counseling standards defined in the ASCA model ensure a program that is integral to the school, proactive, and developmental in nature. Each student is assigned to a counselor based on the first letter of the student's last name in high school with the exception of English Second Language students, and by grade level in the middle grades. Counselors provide students with vocational and career information, college and financial aid advising, written recommendations and references, academic advising, and assistance with personal problems. In addition, they help students define goals that reflect personal interests and abilities. Students may see counselors by appointment or walk-in during their lunch. Appointments may be made before school, between classes, at lunch, or after school.

Walker Upper Elementary School

Walker Upper Elementary School serves all 5th and 6th graders in the Charlottesville City Schools, with an enrollment of approximately 650 students and 75 instructional staff members. Curriculum at Walker is based on the Virginia Standards of Learning and CCS Instructional Pacing, with engaging, hands-on instruction which emphasizes both mastery of academic skills and development of critical thinking.

Charlottesville City Schools Program of Studies

Courses and programs at Walker serve as both a capstone for elementary education and preparation for secondary education. Extending the K-4 elementary model of courses without levels, Walker utilizes differentiated instruction, fluid student grouping, and targeted intervention to ensure effective teaching and learning. Services for Gifted and Special Education as well classroom-integrated enrichment and extension are in place to support learning and growth for all students. Walker offers a variety of elective course options including Band, Orchestra, Introduction to Engineering, Spanish, Visual Art, and Vocal/General Music.

Walker utilizes a mastery rubric for grading. This tool is designed to extend the lower elementary 3/2/1 grading scale into a pre-secondary standards-based grading process. To focus instruction, teacher teams identify *priority standards* that receive the greatest level of focus per unit. During each unit, students and teachers work together to gather evidence of mastery for the priority standards. Using the rubric below, students earn course grade based on the average rating of performance on priority standards.

Mastery Score	Description	Letter Grade Equivalent
4 Mastery	The learner knows all of the knowledge and skills on the standard and is able to apply/demonstrate and communicate their knowledge and skills independently. The learner consistently demonstrates these characteristics.	A
3 Proficient	The learner knows most of the knowledge and skills on the standard. The learner usually demonstrates these characteristics and communicates their knowledge and skills independently. The learner frequently demonstrates these characteristics.	A
2 Developing	The learner knows and can identify some of the knowledge and skills on the standard. The learner often needs teacher assistance or support when demonstrating and/or communicating their knowledge and skills.	B
1 Beginning	The learner rarely is able to demonstrate and communicate their knowledge and skills on the standard. The learner always needs teacher assistance or support when demonstrating and/or communicating their knowledge and skills.	C
0	No Evidence	I

*The mastery rubric is evaluated and refined at least annually by the Walker Leadership Team. Last updated: 08/25/2021.

Buford Middle School

Buford Middle School is the sole middle school, serving grades 7 and 8, for Charlottesville City Public Schools. Operating under our division’s mission of **“Every Student. Every Day.”** Buford provides a middle school experience catered to the developmental needs of students as they progress through middle school. As students journey through this transitional time in their lives, it is imperative that we (Buford) create and maintain partnerships with parents and the community to ensure a successful middle school experience for all students. Buford employs differentiated instruction, flexible groupings, and targeted interventions to ensure teaching and learning. In addition to our academic programs, we offer after-school programming, consisting of clubs, academic tutoring, enrichment, and athletics.

“Ready for Greatness” is the theme for our school community in which we work to ensure that all students acquire skills and abilities, such as problem-solving, collaboration, citizenship, courage, and responsibility, that will enable them to obtain greatness in their future (both short-term and long-term) endeavors. Students acquiring these attributes are more likely to experience success at Buford and beyond.

Middle School Levels Of Study

High school level courses are available to students who are academically motivated and have demonstrated high levels of achievement.

Grade-level courses are designed to prepare students for college and other post-high school opportunities and are on grade level. All Grade-level courses are without additional notation (i.e.:

Grade-level Science is noted as “Science”).

The following High School credits are offered at Buford Middle School. Students taking and passing these classes will receive high school credit towards graduation requirements. Please note that grades earned in these classes will not be reflected on a student’s high school GPA; GPA calculation begins when a student enters high school.

High School Credit Courses:

- Algebra I
- Geometry
- Spanish I
- Spanish II
- French I
- French II
- Latin I
- Latin II
- Engineering I
- Urban Farming

The grading scale below is used for all courses at Buford Middle School except for math courses, which use the Standards-Based Grading Scale:

- A = 91-100
- B = 81-90
- C = 71-80
- D = 61-70
- F = 60 and below
- I = Incomplete
- NM = No Mark
- Satisfactory (S)/Unsatisfactory (U) for Level 1 and 2 ESL students only

Standards-based Grading in Math Courses

Standards based grading (SBG) is a system based around academic achievement and is focused on pinpointing a student's strengths and weaknesses in accordance with the standards being assessed. The students are graded based on mastery rather than completion and their end grade reflects what skills they have mastered at the end of the year. With SBG, each assessment is broken into sections and each section gets its own score. Therefore, when a student receives an assessment back, they have a score for each topic and can see what topics need more attention. Scores are not permanent. Each section is scored with a rubric that focuses on mastery and understanding. The scores range between 0-4, with 0 being a blank section and 4 being complete mastery. The most up-to-date scores will show in the Canvas Gradebook, but you can also reference the scores in PowerSchool. When you check them in PowerSchool, you’ll need to click on Y1 to see the scores.

<i>Letter Grade</i>	<i>Standards Based Grade</i>	<i>Percentage Grade</i>
A	3.50 - 4.00	87.5 - 100
B	3.00 - 3.49	75 - 87.49
C	2.50 - 2.99	62.5 - 74.49
D	2.00 - 2.49	50 - 62.49
F	0 - 1.99	0 - 49.99

Lugo-McGinness Academy

Lugo-McGinness Academy is a small, non-traditional academy that serves Charlottesville City Schools students in grades 8-12. Students may self-select or be referred for admission to the program. Students attending the academy are offered personalized learning through blended and face-to-face instruction and small class sizes. Lugo-McGinness Academy engages young adults to build a vision for their future through supportive relationships and meaningful mastery-based learning experiences.

Lugo-McGinness Academy operates with four core expectations: (1) Be Courageous; (2) Be Respectful; (3) Be Responsible; and (4) Be a Community Member. Along with curricular offerings and an academic program, the academy provides an equity-centered trauma-informed education to support and meet students' academic, social, and emotional needs.

Like Charlottesville High School, students enrolled at Lugo-McGinness Academy have the option to earn a Standard Diploma.

Academic services offered:

- Student voice and choice for educational goals
- Credit recovery
- Graduation acceleration
- Work experience/ vocational training
- Professional School Counseling
- High school diploma

Grading Scale

Charlottesville City Schools secondary teachers use the following grading scales:

Grade	Grade-level points	Honors points	Grade Scale	Standards Based Grading
A	4	4.5	A	A: 3.5 - 4.0 = 87.5 - 100%
B	3	3.5	B	B: 3.0 - 3.49 = 75 - 87.4%
C	2	2.5	C	C: 2.7 - 2.99 = 67.5 - 74.9%
D	1	1.5	D	D: 2.5 - 2.69 = 62.5 - 67.49%
F	0	0	F	I: 0 - 2.49 = 0 - 62.49%

Grading

Grades serve several legitimate educational purposes: to inform parents how their child is performing in school; to help students see themselves as learners and set their goals for further areas of learning; and to monitor students for appropriate school placement.

Promotion Policy and Grade Classification

- Grade 10: 5 credits (including English 9 or the equivalent for ESL students)
- Grade 11: 10 credits (including English 9 and 10 or the equivalent for ESL students)
- Grade 12: 15 credits (including English 9, 10, and 11 or the equivalent for ESL students)

Student support services offered:

- Post-Secondary Planning
- Licensed Clinical Social Emotional Counselor
- Enriched learning experiences through partnerships with community partners such as Wildrock, Uhuru, and UVA-YAL

Charlottesville High School

Charlottesville High School is the home of the Black Knights and is the only high school in the Charlottesville City Schools. Charlottesville High School services grades 9 through 12 with over 1200 students. Charlottesville High School is a comprehensive high school, offering a wide variety of electives and one of the state's widest selections of Advanced Placement courses. As the flagship school in the Charlottesville community, we celebrate the strengths found in our differences and foster a singular Black Knight identity.

High School Levels Of Study

There are three levels of study at the high school level, **Grade-level, Honors/Advanced Placement/Dual Enrollment**. Students have the option of taking courses at any level while pursuing a high school diploma. When confirming course selection it is important to know the various levels of study as well as the student expectation for each level.

Leveled-Up and Honors (H)/Honors-/Advanced Placement (AP) /Dual Enrollment (DE) – these courses are designed for highly motivated students who have demonstrated high level of achievement and who desire the challenge of college-level work while still in high school. Students enrolled in Advanced Placement courses are expected to take the AP examination in May. Dual Enrollment (DE) courses are designed for students who wish to earn college credit from Piedmont Virginia Community College (PVCC) and Virginia State University (VSU).

Grade-level - Grade-level courses are designed to prepare students for college and other post-high school opportunities and are on grade level. All grade-level courses are without additional notation (i.e. Grade-level Biology is noted as Biology)

Accepting Credit From Non-accredited Schools

The new standards of accreditation do not allow students who enter Charlottesville High School from a non-accredited school to receive credit from that school. “A secondary school shall accept credits received from other accredited secondary schools, including summer schools, special sessions, schools accredited through the Virginia Council for Private Education, and educational programs operated by the state” (8 VAC 20-131-60).

Accepting College Credit

Students must complete the *Request to Take a Non-CHS Course* Form and submit it to the building principal for approval in order to take college-level courses at local colleges and universities. Courses will only be added to the student's transcript if they are replacing a course that is required for graduation.

AP or Advanced Placement Classes

AP classes are high school level classes where students can earn college credit based on scores that they receive on end-of-year AP tests. All AP tests are free of charge. Like honors classes, AP classes are rigorous and require a significant time commitment outside of class. It is recommended that 9th grade students **take no more than one AP class**, 10th grade students **take no more than two AP classes**, 11th grade students **take no more than four AP classes**, and that 12th grade students **take no more than five AP classes** within one year.

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Grading Scale

Charlottesville High School teachers use the following grading scale except for courses using Standards Based Grading:

Grade	100 point scale
A	91 - 100
B	81 - 90
C	71 - 80
D	61 - 70
F	0 - 60

Grade Point Scale

Grade	Grade-level points	Honors points	AP/DE Points
A	4	4.5	5
B	3	3.5	4
C	2	2.5	3
D	1	1.5	2
F	0	0	0

Grading

Grades serve several legitimate educational purposes: to inform parents how their child is performing in school; to help students see themselves as learners and set their goals for further areas of learning; and to monitor students for appropriate school placement. Grades are to represent academic work done by students; teachers may not use grades in a punitive or capricious manner. To access current grading policies, please review the student handbook.

Standards-based Grading

Standards based grading is a system based around academic achievement and is focused on pinpointing a student's strengths and weaknesses in accordance with the standards being assessed. The students are graded based on mastery rather than completion and their end grade reflects what skills they have mastered at the end of the year.

CHS Standards Based Grading

*In many CHS courses grading will follow a Standards-focused model. Students will be provided with a list of standards that are attached to the course. Each assignment will be attached to at least one standard and will be graded based on the student's ability to show mastery of the standards that are assessed. This should provide students, parents and teachers with very specific feedback on what the student understands and where they may need extra help. If a student has not mastered a particular standard(s) within an assignment, **the student may reassess the standard(s) by following the guidelines that the teacher provides.***

4 – Shows complete, thorough understanding, have totally mastered the skill.	Standards Based Grade:	Percentage Grade:
3.5 – Shows strong understanding with minor errors.	A 3.50 – 4.00	87.50% - 100%
3 – Student shows good understanding with some conceptual gaps.	B 3.00 – 3.49	75% - 87.49%
2.7 - Student shows partial understanding with some conceptual gaps.	C 2.70 – 2.99	67.50% - 74.99%
2.5 – Student shows weak understanding with conceptual gaps.	D 2.50 – 2.69	62.50% - 67.49%
2 – Student shows little understanding with major conceptual gaps.	F 0 – 2.49	0% - 62.49%
1 – Student shows little or no conceptual understanding.		
0 – Student has not attempted learning target.		

* The table above is an example of how SBG can be translated to our standard grade scale.

****Grading is cumulative throughout the year. Students can reassess knowledge, skills, and understandings after each assessment to raise their grades. Reassessments will take place all year long. In order to be granted a retake, students**

must show concrete evidence of what they did in order to further their understanding. Please see the course syllabi for more information.

Homework

The purpose of homework is to practice key skills, reinforce content, and/or assess student understanding of material covered in class. Charlottesville High School offers the following additional guidelines for the use of homework as an instructional tool:

1. Homework should be assigned after an introduction and thorough explanation of the skills necessary to complete the assignment successfully.
2. Homework should be assigned in such a manner that it will be clearly understood by all students.
3. Homework should serve a valid purpose and be closely related to current classroom activities. In general, homework should serve as practice of skills taught in class and as a formative assessment. Homework may also be a summative assessment on occasion (e.g. projects, papers, etc.).
4. A student's access to resource materials should be considered when making homework assignments.
5. Homework should be evaluated promptly and returned to the student. Appropriate recognition should be given to those students who successfully complete assigned work. Effort and competency should be recognized.
6. Teachers should seek to determine the causes if a student regularly fails to do assigned work. Teachers should not avoid giving homework because they believe students will not do the work.
7. Both excessive amounts of homework and the absence of homework should be avoided.
8. Homework should not be used for disciplinary purposes.
9. In general, students should expect to spend the following amounts of time on homework for the courses and levels listed below:

Course	Grade-level	Honors/AP/DE Level
English	2.5 hours per week	3.5 hours per week
Math	1.5 hours per week	2 hours per week
Science	1 hour per week	2 hours per week
Social Science	1 hour per week	2 hours per week
Electives	1-2.5 hours per week	1-2.5 hours per week

Note: Students enrolled in self-contained classes will have homework expectations provided by the individual teachers of each course.

Electronic Device Expectations

Technology integration is a standard in classrooms throughout Charlottesville City Schools. The effective use of technology in instruction is vital in preparing our students for careers in a complex, interconnected world.

Summer Assignments

Students are expected to have a working knowledge of the content and skills learned in prerequisite courses on the first day of school. CHS recognizes that some students need support to maintain or add to their repertoire of knowledge and skills over the summer months. Individual courses may provide summer assignments that students are encouraged to use as a way to prepare for the rigors of courses the following year. Content covered and assessments given in class may refer to and depend on student understanding of the skills and/or content reinforced by summer assignments.

Family Life And Animal Dissection

Parents may request that their student opt out of any animal dissection or family life activity and replace the activity with another of equal educational value.

Maximum Credit

Students may earn up to eight (8), but not more than eight credits in a single school year. In extreme circumstances, the principal may grant a waiver to this rule.

Doubling Up

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Most often, only seniors will be allowed to enroll in two sequential courses. Students who fail a course during the regular school year are expected to repeat that course during summer school.

gpa

Promotion Policy and Grade Classification

Grade 10: 5 credits (including English 9 or the equivalent for ESL students)

Grade 11: 10 credits (including English 9 and 10 or the equivalent for ESL students)

Grade 12: 15 credits (including English 9, 10, and 11 or the equivalent for ESL students)

NCAA Division I Academic Eligibility Requirements:

If you are planning to enter a Division I college, in order to be classified as a “qualifier,” you are required to:

- Graduate from high school.
- Successfully complete a core curriculum of at least 16 academic courses as follows:
 - English – 4 years
 - Mathematics – 3 years (at or above the level of Algebra I)
 - Natural or physical science – 2 years (including at least one laboratory science)
 - Social Science – 2 years
 - English, mathematics, natural or physical science – 1 additional year
 - Additional academic courses in any of the above areas or world language, computer science, philosophy, or non-doctrinal religion – 4 years
- Have a core-course grade point average (based on a maximum of 4.00) and combined score on the SAT verbal and math sections or a sum score on the ACT based on the qualifier index scale. Please refer to the NCAA Guide for additional information on Division I, II, and III, and for partial qualifier requirements. Below is a partial list of the Division I qualifier Index. See your counselor for details and clearinghouse applications.

Core GPA	ACT	SAT
2.5 and above	68	820
2.25	77	920
2.0	86	1010

Student Fees

From School Board Policy JN: *Fees may be charged for 1) optional services such as parking or locker rental; 2) student-selected extracurricular activities; 3) class dues; 4) field trips or educationally-related programs that are not required instructional activities; 5) fees for musical instruments, as long as the instruction in the use of musical instruments is not part of the required curriculum; 6) distance learning classes for enrichment which are not necessary to meet the requirements for a diploma; 7) summer school, unless the classes are required for remediation as prescribed by the Standards of Quality; 8) overdue or lost or damaged library books; 9) lost or damaged textbooks; 10) consumable materials such as workbooks, writing books, drawing books and fine arts materials and supplies; however, workbooks, writing books, drawing books and fine arts materials and supplies must be furnished to students who are unable to afford them at a reduced price or free of charge; fees may not be charged to students for instructional materials, textbooks, or other materials that are not directly used by a public school student; 11) the behind-the-wheel portion of the driver's education program; 12) a fee not to exceed a student's pro rata share of the cost of providing transportation for voluntary extracurricular activities; and 13) the preparation and distribution of official paper copies of student transcripts; a reasonable number of copies of official paper copies must be provided for free before a charge is levied for additional official copies; official electronic copies of student transcripts must be provided for free; 14) lost or damaged technology. Fees may not be charged 1) as a condition of school enrollment, except for students who are not of school age or who do not reside within the jurisdiction; 2) for instructional programs and activities, or materials required for instruction, except as specified in by 8 VAC 20-720-80.H; 3) for textbooks or textbook deposits; however, a reasonable fee or charge for lost or damaged textbooks may be charged; 4) for pupil transportation to and from school; or 5) for summer school programs or other forms of remediation required by the Standards of Quality.*

Fees are reduced or waived for economically disadvantaged students and students whose families are undergoing economic hardships and are financially unable to pay them, including but not limited to, families receiving unemployment benefits or public assistance, including Temporary Assistance for Needy Families (TANF), Supplemental Nutrition Assistance Program (SNAP), Supplemental Security Income (SSI) or Medicaid; foster families caring for children in foster care; and families that are homeless. Each time a fee is charged, notice will be given that a fee waiver may be requested. The notice will include directions as to how to apply for a waiver. This policy will be provided to parents annually and posted on the division's website. The consequences for nonpayment of fees include exclusion from the activity related to the fee. No student's report card, diploma or class schedule will be withheld because of nonpayment of fees or charges. No student will be suspended or expelled for nonpayment of fees or charges. The School Board upon recommendation of the superintendent may take action against a pupil or the pupil's parent for any actual loss, breakage, or destruction of or failure to return property owned by or under the control of the School Board, caused or committed by such pupil in pursuit of his studies. Such action may include seeking reimbursement from a pupil or pupil's parent for any such loss, breakage, or destruction of or failure to return school property.

Graduation Requirements

Information regarding Virginia Graduation Requirements can be found at the Virginia Department of Education website: <https://www.doe.virginia.gov/instruction/graduation/standard.shtml>

Alternatives To The Standard Or Advanced Studies Diplomas

Applied Studies Diploma

Students with disabilities may earn an Applied Studies Diploma by completing all the goals of their individual educational plan. This diploma is awarded instead of a Standard Diploma.

Students qualify for the Applied Studies Diploma upon successful completion of a combination of academic and vocational experiences. Students will acquire marketable skills and demonstrate the ability to maintain competitive employment as specified in their individually designed IEP. Students seeking an Applied Studies Diploma will have schedules in accordance with their IEP and their final credit completion will be individualized. Students with IEPs may stay in high school up until the age of 22.

Applied Diploma Credit and Course Requirements	
Discipline Area	Standard Credits
English	4
Mathematics [Note 1]	3
Science [Note 2]	2
History and Social Science [Note 3]	2
Health and Physical Education	2
Fine or Practical Arts	1
Electives [Note 4]	6
Total	20

Fine Arts or Career and Technical Education - The Modified Standard Diploma contain a requirement for one standard unit of credit in a fine arts or career and technical education course

Individual Student Alternative Education Plan (ISAEP)

This program, housed at the CATEC, provides students with an alternative program for high school completion. Students completing this program will receive a GED as well as demonstrate mastery of the Virginia Workplace Readiness skills. For more details, contact the counseling department.

Advanced Placement (AP)

Detailed in this section are course descriptions of Advanced Placement (AP) courses offered at Charlottesville High School. AP courses are courses that follow the College Board's curriculum and are an extension of our honors curriculum. Honors and AP courses are the most challenging courses offered at CHS. AP courses are NOT college courses; however, the rigorous nature of these could result in students receiving college credit from some colleges and universities for high scores on Advanced Placement tests. Please visit www.collegeboard.org or speak with your school counselor for more information.

Advanced Placement Courses Offered at CHS

3186 AP Computer Science Principles

Credit: 1 Elective Credit

Grade: 9 -12

Prerequisite: None

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career.

01196 AP English Language and Composition

Credit: 1 English Credit

Grade: 11

Prerequisite: High level of achievement in English 10 or English 10 Honors

Assessments: AP Exam and Writing PBA Portfolio

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly-motivated student who wishes to experience college-level work while still in high school. Students will become skilled readers of prose written in a variety of periods, genres, and contexts, and will write in a variety of modes and for a variety of purposes.

01195 AP English Literature and Composition

Credit: 1 English Credit

Grade: 12

Prerequisite: High level of achievement in English 11, English 11 Honors or AP English Language and Composition

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly-motivated student who wishes to experience college-level work while still in high school. Students read and analyze British literature from the eighth century to the present.

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AP_4270

AP Environmental Science

Credit: 1 Science Credit or 1 Elective Credit

Grade: 11, 12

Prerequisite: High level of achievement in Biology or Environmental Science

Recommended: Completion of Chemistry or Chemistry Honors is recommended for success in this course.

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: The course is designed in accord with the requirements of the College Board. Environmental concerns, energy, earth processes, and the influences of science, technology, and society will be studied. Field trips, laboratory investigations, and other classroom activities will permit students to interrelate these topics and to gain personal experiences within their surroundings.

2399

AP European History

Credit: 1 Elective Credit

Grade: 11, 12

Prerequisite: None

Assessments: AP Exam; World History II SOL

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly motivated student who wants to experience college-level work while still in high school. The demands and rigors of this course will exceed those of non-advanced placement courses. Students should anticipate reading between 60 and 75 pages a week, regular essay assignments, and projects including a major research project.

2380

AP World History

Credit: 1 Social Studies Credit

Grade: 10, 11, 12

Prerequisite: World Geography Honors

Assessments: AP Exam; World History II SOL

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This is a college level course which places demands and rigors on students that exceed those of non-advanced placement courses. Students should anticipate reading between 60 and 75 pages a week, regular essay assignments, and projects including a major research project.

2212

AP Human Geography

Credit: 1 Elective Credit

Grade: 9

Prerequisite: none

Assessments: AP Exam; Geography SOL

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: Advanced Placement Human Geography is a dynamic course that studies "the Why of Where". Students will explore topics such as population and migration, culture, politics, agriculture and industry, urbanization, and the environment, all on an introductory college level.

02319

AP United States History

Credit: 1 Social Studies Credit

Grade: 11

Prerequisite: Suggested concurrent enrollment in AP English Language and Composition

Assessments: AP Exam; US History SOL

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly motivated student who wants to experience college-level work while still in high school. Students should anticipate reading between 60 and 75 pages a week, regular essay assignments, and projects. The sequence of the course is consistent with other courses in U.S. history; however, the scope of the course entails more in-depth coverage of content, mastery, and skills development.

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2445 AP United States Government

Credit: 1 Social Studies Credit

Grade: 12

Prerequisite: Suggested concurrent enrollment in AP English Literature and Composition or Dual Enrollment English 12

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly motivated student who wants to experience college-level work while still in high school. It is a survey of the complex structure of American government and policies during the past 200 years. Students study the contexts of the political process, the major institutions of the national government, and the nature of US democracy.

2902 AP Psychology

Credit: 1 Elective Credit

Grade: 10 - 12

Prerequisite: None

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This is a challenging high school course equivalent in content and rigor to an introductory college course in psychology. This course is designed to introduce students to the systematic and scientific study of behavior and mental processes. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology.

03177 AP Calculus (AB)

Credit: 1 Math Credit

Grade: 10 - 12

Prerequisite: Precalculus Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: Focusing on differential and integral calculus in one variable, this course prepares the very able mathematics students for the AP Calculus (AB) examination. This course covers the material normally included in first semester college calculus.

03178 AP Calculus (BC) Multivariable

Credit: 1 Math Credit

Grade: 11, 12

Prerequisite: High level of achievement in AP Calculus (AB)

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This college-level course is offered to students who have completed AP Calculus (AB) and wish to take the next class in the calculus sequence. The curriculum includes the C calculus topics, vector calculus, and differential and integral calculus in two variables.

03192 AP Statistics

Credit: 1 Math Credit

Grade: 11, 12

Prerequisite: Completion of or concurrent enrollment in Algebra III/Trig

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This non-calculus based course in introductory statistics is designed to challenge the highly motivated student and to prepare them for the AP Statistic Exam. Topics of study include statistical distributions, probability, linear correlation, and hypothesis testing.

02802 AP Microeconomics (Semester 1)

02803 AP Macroeconomics (Semester 2)

Credit: 1 Social Studies Credit

Grade: 11, 12

Prerequisite: None

Assessments: AP Exam

Note: This is a two-part course; however, students must take both parts in sequential semesters in the same school year. Students wishing to complete the graduation requirement in Economics and Personal Finance can also enroll concurrently in the virtual, one-semester Finance course. Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: These rigorous courses are designed to help students develop an understanding of the American economic system as well as gain practical knowledge. Money, banking, financial markets, and investing as well as small business, entrepreneurship, trade, and the microeconomic concepts of supply and demand will be covered.

03185 AP Computer Science A

Credit: 1 Math Credit

Grade: 11, 12

Prerequisite: Algebra II

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This advanced placement Java programming course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. Other topics covered include data structures, program design and abstractions.

04370 AP Biology

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: High levels of achievement in Biology or Biology-Honors and high levels of achievement in Chemistry or Chemistry-Honors

Recommended: Enrollment in Precalculus or higher; completion of Physics - Grade level or higher

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course, usually taken by biology majors during their first year. College Board guidelines are followed in shaping the course.

04470 AP Chemistry

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: High levels of achievement in Biology or Biology-Honors and high levels of achievement in Chemistry or Chemistry-Honors

Recommended: Enrollment in Precalculus or higher; completion of Physics - Grade level or higher

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly motivated student who wishes to experience college-level work while still in high school. The Advanced Placement Chemistry course is designed to be the equivalent of a college introductory chemistry course, usually taken by chemistry majors during their first year.

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03165 AP Physics I

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Successful completion of 1 verified science credits and completion of Algebra I and Geometry and completion of or concurrent enrollment in Algebra II

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: Students will cultivate their understanding of physics and science practices as they explore the following topics: Kinematics, Newton's laws, Circular motion, Universal law of gravitation, simple harmonic motion, impulse, linear momentum, and conservation of linear momentum, work, energy, and conservation of energy, rotational motion, rotational dynamics, and conservation of angular momentum, electrostatics, DC circuits, and mechanical waves and sound

04570 AP Physics C

Credit: 1 Science Credit

Grade: 11, 12

Prerequisite: Concurrent enrollment in AP Calculus (AB) or higher and a high level of achievement in Physics or AP Physics I

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: AP Physics C is a calculus-based second-year physics course, intended to build upon the understandings and lab skills acquired in an introductory physics class. The course is two semester courses: Mechanics, Electricity and Magnetism.

09148 AP Portfolio Studio Art

Credit: 1 Fine Arts Credit

Grade: 11, 12

Prerequisite: Art teacher recommendation

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is equivalent to a college-level drawing, sculpture or design course. There are three different AP Studio Art courses: (1) Studio Art – Drawing; (2) Studio Art – Two-dimensional Design; and (3) Studio Art – Three-dimensional Design and Sculpture, all designed for students who are seriously interested in the practical experience of art. Portfolios are prepared and submitted according to the specifications detailed on the College Board website.

05150 AP French Language

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of French IV Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly proficient French language student who wishes to experience college-level work while still in high school. Students must be prepared to work independently doing internet research and activities tied to the six themes of the AP exam. They will hone their interpersonal and presentational speaking and writing skills as well as reading and listening comprehension.

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5370 AP Latin

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of Latin IV Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly proficient Latin student who wishes to experience college-level work while still in high school. Required syllabus of readings include both poetry and prose; Latin readings are from Vergil's Aeneid and Caesar's Gallic Wars.

05570 AP Spanish Language

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of Spanish IV Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly proficient Spanish language student who wishes to experience college-level work while still in high school. Students refine their proficiency in written and oral expression of ideas. In addition to speaking and writing essays, reading poetry, short stories, plays, and newspaper and magazine articles, this course focuses primarily on Latin American literature and culture, with some study of important contemporary Hispanic authors.

5580 AP Spanish Literature

Credit: 1 World Language Credit

Grade: 12

Assessment: AP Spanish Literature Examination

Prerequisite: Completion of AP Spanish Language

Note: **Students are expected to take the AP examination, which is offered in May.** College credit may be earned depending upon the score achieved on the exam and individual policies of colleges and universities. *The AP Spanish Literature course requires an independent, motivated learner as it can be an independent course.*

The AP Spanish Language and Culture course is designed for advanced students of the language who have already taken AP Spanish Language. In this class, students will read, discuss, and interpret a variety of texts from medieval Iberia to modern Latin America, while learning about the cultures that produced them. This course is conducted entirely in Spanish and requires a significant amount of work outside the classroom.

5860 AP Chinese Language and Culture

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of Chinese Mandarin III Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: A follow-up course to the Chinese: Mandarin III-Honors class. The AP Chinese Language and Literature course is roughly equivalent to a 4th semester college course. The course and exam incorporates Chinese cultural information within the teaching of reading, writing, speaking, and listening to the language.

24264 AP German Language and Culture

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of German III Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

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Description: *This course is designed to challenge the highly proficient German language student who wishes to experience college-level work while still in high school. The AP German Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness.*

SDV100 DE College Success Skills (One semester course: offered Fall & Spring)

Credit: 0.5 Elective Credit

Grade: 11,12

Prerequisite: None

Assessment(s): Final Exam (teacher created)

Description: Assists students in transition to colleges. Provides overviews of college policies, procedures, curricular offerings. Encourages contacts with other students and staff. Assists students toward college success through information regarding effective study habits, career and academic planning, and other college resources available to students. May include English and Math placement testing. Strongly recommended for beginning students.

CHS/ PVCC Dual Degree Programs

Charlottesville High School is proud to have a strong partnership with Piedmont Virginia Community College (PVCC). As part of our partnership, CHS and PVCC offer Dual Degree Programs in Computer Science, Engineering, General Studies, Physical and Natural Sciences, Specialization in Biotechnology, and Computer Network Support Technologies. This section details the options students will follow to earn an advanced High School Diploma from CHS and an Associate's Degree or Career Studies Certificate from PVCC. Students should apply to one of these programs at the end of the 9th grade year. Prior to enrollment in the Dual Enrollment course, students must apply to Piedmont Virginia Community college, receive a passing score in English and/or Math in the Virginia Placement Test (VPT) or PSAT/SAT/ACT score, and receive permission from guardian and principal to take the college level course.

Because there are a variety of ways to earn credits, students and their families will meet with the students' school counselors in addition to the Career Coach to create an individualized program. Sample student schedules that can be used as a starting point when creating an individual plan for a student are linked below.

[Link](#) to view a sample for Associate of Science Degree - General Studies

There are a number of ways to earn credits toward an Associate Degree and Career Studies Certificate. Options include:

- 1.) taking Dual Enrollment (DE) courses at CHS,
- 2.) taking courses at PVCC on campus,
- 3.) taking courses at PVCC on-line, and
- 4.) earning credit by making a 3 or higher on AP exam (see [PVCC Transfer Credit for AP Scores.](#))

Early College Degree Options

Associate of Science Degree – Computer Science

The associate of science curriculum in computer science is designed for those who plan to transfer to four-year college or university to complete a baccalaureate degree program in computer science. The curriculum emphasizes the study of the science of computing and the use of computing in a scientific setting. PVCC [link](#) to degree requirements:

Associate of Science Degree – Engineering

The associate of science curriculum in engineering is designed for those who plan to transfer to a four-year college or university to complete a baccalaureate degree program in engineering. PVCC [link](#) to degree requirements:

Associate of Science Degree-General Studies

The associate of science curriculum in general studies is designed for those planning to transfer to a four year college to complete a baccalaureate degree but do not wish to focus on a particular area of study. PVCC [link](#) to degree requirements:

Associate of Science Degree – Physical and Natural Sciences, Specialization in Biotechnology

The associate of science in physical and natural sciences is designed for persons who are interested in a pre-professional or scientific program and who plan to transfer to a four-year college or university to complete a baccalaureate degree. PVCC [link](#) to degree requirements:

Career Studies Certificate-Computer Network Support Technologies

The Career Studies Certificate in Computer and Network Support Technologies is designed to provide students with a beginning foundation in computer science, electronics, and computer and networking support disciplines. The career studies certificate also facilitates the transition into the computer science, electronics or IST associate degree programs, if the student chooses to continue their studies at the College.

PVCC [link](#) to degree requirements:

College Credit Options

College And University Course Enrollment / Dual Credit

The University of Virginia and Piedmont Virginia Community College occasionally allow accelerated high school students to enroll in courses at their institutions during the regular academic year. In general, these special students have exceeded the offerings of the high school in a particular discipline, e.g., completed AP Calculus BC in the junior year and wish to continue studying mathematics beyond that level. The credit from the college is only placed on the Charlottesville High school transcript when it is used to satisfy a graduation requirement. A student enrolled in a dual credit course must follow the college guidelines for course credit. Prior to admission to the community college, the student must take community college placement tests. Prior to registration, a student must receive permission from his or her counselor, and the principal, and must complete an application provided by the college. Application materials are available in the Counseling Department. All charges for tuition, books, labs, and supplies are the responsibility of the student. Students must supply their own transportation to and from the college. Students are strongly encouraged to consider all of the curricular and co-curricular offerings available at CHS before enrolling in a course at the University of Virginia or at Piedmont Virginia Community College.

Articulation Course Agreement

The articulation agreement is a formal written document between the high school and community college that identifies specific course competencies that must be successfully completed in order for the student to receive credit for the course at the community college. The course is offered at the high school during the regular day. Acceptance by the community college for successfully completing an articulated course does not mean that the course will transfer to any other institution of higher learning. Prior to admission to Piedmont Virginia Community College, the student must take the community college placement tests.

Dual Enrollment

PVCC and Virginia State University (Rising STARS) Dual Enrollment program allows eligible high school students to earn college and high school credits simultaneously. Students can save money toward higher education since dual enrollment classes in high schools are offered at no cost to the student. A student enrolled in a dual enrollment course must follow the community college guideline for course credit. The course will be identified on the transcript as a college level course. The student will receive a letter grade. Teachers must meet Southern Association of Colleges and Schools educational and professional preparation requirements.

Prior to enrollment in the Dual Enrollment course, students must apply to Piedmont Virginia Community college, receive a passing score in English and/or Math in the Virginia Placement Test (VPT) or PSAT/SAT/ACT score, and receive permission from guardian and principal to take the college level course.

Admission Criteria for Dual Enrollment courses

PVCC's Measures of English and Mathematics Placement document.

For more information, contact your CHS school counselor, CHS Career Coach, or PVCC's Dual Enrollment Coordinator at 434-961-5484.

Virginia State University (VSU) Rising STAR Program

In a partnership with VSU, CCS offers the Rising STAR Program for students interested in the teaching profession. The Rising STAR Program is a Dual Enrollment CTE program & pathway consisting of classes that prepare students to enter the field of education by completing VSU's Foundation of Education I & II courses while in high school. Qualified students may also be eligible for VSU's Guaranteed Admissions Program and access to the possibility of college scholarships. Please contact your student's counselor for more information.

Governor’s Early College Scholars Program

To qualify for the Early College Scholars program, a student must have a “B” average or better, be pursuing an Advanced Studies or Advanced Technical diploma, and complete at least 15 transferable college credits while enrolled in high school. The Governor’s Early College Scholars Agreement must be signed by the student and their parent or legal guardian and returned to the School Counseling office prior to January of the student’s senior year. College credits can be earned through Advanced Placement, Dual Enrollment, Dual Credit, and/or Tech Prep courses. Most often, one high school credit equals 3-8 college credits, depending on the course. Students who meet the terms of the agreement are recognized as Early College Scholars and receive a certificate of recognition from the Governor of Virginia. For more information, see: http://www.doe.virginia.gov/instruction/graduation/early_college_scholars/index.shtml

Dual Enrollment Class	High School Credit	College Course Name	College Course Code	College Credits
01600 DE English 12	1 English credit	College Composition I College Composition II	ENG 111 ENG 112	3 credits 3 credits
2452 DE U.S. Government	1 Social Studies credit	U.S. Government I U.S. Government II	PLS 211 PLS 212	3 credits 3 credits
2420 DE Intro to Criminal Law	1 Elective credit	Introduction to Criminal Law	ADJ 130	3 credits
04272 DE Environmental Science (not offered 2018-19)	1 Science credit	Biology of Environment	BIO 107	4 credits
3230 DE Pre-Calculus/ Applied Calculus	1 Math credit	Pre-Calculus I, Applied Calculus I	MTH 163 MTH 271	3 credits 3 credits
2500 DE Principles of Sociology	1 Elective credit	Principles of Sociology Social Problems	SOC 200 SOC 268	3 credits 3 credits
8452 Engineering 3 Honors	1 CTE credit	Introduction To Engineering	EGR 120	2 credits
8453 DE Engineering 4	1 CTE credit	Engineering Graphics	EGR 115	3 credits
8941 Engineering Capstone	1 CTE credit	Engineering Graphics		3 credits
SDV100 DE College Success Skills	0.5 Elective Credit	College Success Skills	SDV 100	1 credit
9062 DE Teachers For Tomorrow I	1 CTE Credit	Educational Foundations I	EDUC 201	3 Credits
9072 DE TEachers for Tomorrow II	1 CTE Credit	Educational Foundations II	EDUC 202	3 Credits

Career Planning

Career Pathways

Students should choose a career path that blends their values, interests and abilities, and which leads to the achievement of personal, educational and career goals. The selection of a career path is a cooperative effort that involves the student, parents, teachers and counselors. Students are not locked into a path or program of study but are encouraged to explore all available opportunities.

A career path outlines the high school courses required for a standard diploma, recommends career and technical studies electives, and shows related community college and college programs leading to successful career entry and advancement.

The selection of a career pathway is a cooperative effort involving the student, parents, teachers and counselors. For more information about the Career Planning, please refer to the following websites:

- Virginia Wizard: <https://www.vawizard.org/wizard/home>
- Virginia Career View: <http://www.vaview.vt.edu/> (**GREAT FOR K-8**)
- Dept. of Education Career Resources and RU Ready: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

Jobs for Virginia Graduates (JVG) is incorporated as a nonprofit 501(c)3 organization with the purpose of serving Virginia's most disadvantaged and at-risk youth in graduating high school and transitioning from school to work. Building on the Jobs for America's Graduates (JAG) national model, and led by a public/private sector Board of Directors with the Department of Education, JVG is one of the state's initiatives for reducing the dropout rate and improving school-to-work transition. JVG functions through Virginia's public school system, and in concert with state employment programs.

Key Elements:

- Employability skills curriculum featuring core competencies based instruction – including units on career planning and decision making, job seeking, job retention, basic academics, leadership and self-development, and personal skills.
- Virginia Career Association – a motivational student organization that fosters the development of personal responsibility, leadership, decision making, and assertiveness skills and provides recognition for positive achievement.
- Job development and placement – meaningful job opportunities with advancement potential are matched with job-ready, motivated graduates involved in the JVG program.
- Post-graduation follow-up – graduates and their employers are provided twelve months of follow-up assistance to facilitate students' successful transition into the labor market and/or post-secondary education.
- An active partnership between government, labor, and business organizations, educational institutions, and the community

Career Clusters

Career Clusters help students investigate careers and design their courses of study to advance their career goals. For this reason, Virginia has adopted the nationally accepted structure of career clusters, career pathways and sample career specialties or occupations.

A Career Cluster is a grouping of occupations and broad industries based on commonalities. Within each career cluster, there are multiple career pathways that represent a common set of skills and knowledge, both academic and technical, necessary to pursue a full range of career opportunities within that pathway – ranging from entry level to management, including technical and professional career specialties. Based on the skill sets taught, all CTE courses are aligned with one or more career clusters and career pathways. More information and resources can be found on the VDOE website: [Career Clusters](#)

Career and Technical Education Sequential Electives (as identified by the Virginia DOE) and Program Completer Options for Charlottesville High School and the Charlottesville Albemarle Technical Education Center are identified and listed within this program planning guide under Career and Technical Education.

Alternative Learning Opportunities and Releases

Independent Study

All Independent Study Requests must be submitted **prior to the start of school**, with no exceptions. Independent study provides students with the opportunity to pursue a program of collaborative design between student and teacher. Before beginning an independent study, students must submit a Request for In-School Independent Study to their school counselor that includes the objectives, plan of study, frequency of sponsoring teacher supervision, the expected culminating project or goal, and the resources to be utilized, all of which should be developed with the sponsoring teacher. The following people must approve the Independent Study Request: sponsoring teacher, that teacher's Department Chairperson, the School Counselor, the Counseling Department Chairperson, and the Principal. Both the student and parent/guardian must also sign off on the proposed Independent Study. The following regulations apply to independent study: Required academic subjects may not be completed in an independent study; a student may enroll in only one independent study per year; once approved,

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these courses appear on the student's transcript as "Independent Study." Independent study courses are graded pass/fail only and are not calculated in the student's grade point average.

Summer School

Summer school courses are offered for enrichment, acceleration, and earning credit for courses not passed during the regular school year. Students who fail courses during the school year are **expected** to attend summer school. Depending on the subject, summer school courses may be available at CHS. The summer session may vary depending on the course, and a fee is charged. All summer school courses will be on-line, with the exception of PE.

Educational Release

Students who are enrolled in classes outside of the Charlottesville City Schools may be granted Educational Release with permission from the school counselor, principal, and associate superintendent. This will be indicated in a student's schedule as "Educational Release."

Senior Release

Seniors (12th graders) in good standing, who have completed most graduation requirements and are on track for graduation, can apply for "Senior Release." A parent, counselor, and the principal must all agree to granting a "Senior Release."

Junior/Senior Internship Program

This program is designed to support a student's long-range education and career goals and provides the opportunity to experience "first-hand" a particular career or career field by interning with professionals in the community. Students enhance their academic, technical and workplace readiness skills as well as become more informed about certain career field expectations and requirements before entering college and/or the workforce.

Employment Releases

Students who have a documented job and can provide pay stubs as proof are allowed one to two periods of work release in the afternoon.

Work Based Learning: Cooperative Education Program

Students in the Co-op Work Release Program earn a credit for their supervised retail job experience. Students enrolled in this course are required to have a job and retain the job for the entire school year.

Co-requisite: Must also be enrolled in a Marketing Course or Economics and Personal Finance

Virtual Education

The Charlottesville City School Division offers a high-quality, rigorous, and engaging virtual education program to students in grades 9-12. Students may choose to take an online course as part of their regular course load or in addition to a traditional seven-period day. Courses are available anytime, so students are able to complete coursework before, during, or after the regular school day.

CHS Online Learning Lab Program

The CHS Online Learning Lab program is designed to meet the needs of students at Charlottesville High School through online learning. Through a variety of courses at the general, honors, and Advanced Placement levels, students are able to satisfy diploma requirements through individually paced online learning. Enrollment in the program is contingent upon priority level; through an application process with a school counselor, priority is assigned based on enrollment purpose including completion of verified credits, credit recovery for courses in which the students previously failed to earn credit, Advanced Placement coursework not otherwise offered at CHS, and credit recovery for concurrently enrolled classes. Successful students in the program exhibit consistently high individual learning skills, strong personal motivation, and the ability to work independently.

Virtual Courses that may be offered at Charlottesville High School

1130V English 9

Credit: 1 English Credit

Grade: 9

Prerequisite: Completion of English 8

Assessment(s): Final exam (teacher created)

Description: This English class will focus on writing skills, vocabulary, reading comprehension, and oral communication skills. This course includes both independent and guided reading assignments, substantive essay practice, grammar instruction, and class discussions.

1140V English 10

Credit: 1 English Credit

Grade: 10

Prerequisite: Completion of English 9

Assessment(s): SOL Test - Writing

Description: This course will help students prepare for the SOL test, develop their writing skills, and practice for the SAT. Students will read and write extensively and will prepare for the rigors of post-high school education and the working world.

1150V English 11

Credit: 1 English Credit

Grade: 11

Prerequisite: Completion of English 10

Assessment(s): SOL Test - Reading

Description: In this course students prepare for the SOL test in reading, write various persuasive essays, and enhance their reading comprehension. This course is designed for students who have an interest in either college or the working world.

1160V English 12

Credit: 1 English Credit

Grade: 12

Prerequisite: Completion of English 11

Assessment(s): Final Exam (teacher created)

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Description: This course will focus on college applications, understanding and analyzing British literature, and essay writing. Students will polish their writing skills to prepare for college or the working world and will learn about different career choices.

1171V Creative Writing I/II

Credit: 0.5 English Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Assessment(s): Final Exam (teacher created)

Description: This course is designed for students with a special interest in writing who wish to share their with peer revision groups, to enter their writing to contests, and to write in a variety of genres.

2210V World Geography Honors

Credit: 1 Social Studies Credit

Grade: 10, 11, 12

Prerequisite: None

Assessment(s): SOL

Description: World Geography is the study of people, places and the environments with a focus on world regions. Students will learn about the world's population and cultural characteristics, landforms climates, economic development, migration and settlement patterns. In this online course, students will gain an understanding of interdependent world in which they live through media-rich interactivities, videos, collaborative discussions, hands-on applications, and real-world projects.

2216V World History II

Credit: 1 Social Studies Credit

Grade: 10

Prerequisite: None

Assessment(s): SOL Test - World History II

Description: Starting with the European Renaissance and ending with contemporary issues, this world history course emphasizes both Western and non-Western civilizations. All instruction for this course will be delivered in a virtual online environment with assessments administered in a traditional and supervised setting.

2360HV Virginia and United States History

Credit: 1 Social Studies Credit

Grade: 11

Prerequisite: None

Assessment(s): SOL Test - US and VA History

Description: This course emphasizes American history from colonial times to the present. Students will have opportunities to work with secondary and primary sources, refine essay writing skills, and complete long-term projects.

2440V Virginia and United States Government

Credit: 1 Social Studies Credit

Grade: 12

Prerequisite: None

Assessment(s): Final Exam (teacher created)

Description: The Grade-level US Government course focuses on the three branches of government, elections, civil rights and civil liberties, foreign and domestic policy, and citizenship. Emphasis is placed on the decision-making process and the importance of informed citizenship.

3130V Algebra I

Credit: 1 Math Credit

Grade: 9, 10, 11

Prerequisite: Math 8

Assessment(s): SOL Test - Algebra I

Description: This course provides the foundation for all higher mathematics Topics covered include solving equations and inequalities, equations of lines, systems of equations, polynomial functions, and basic data analysis.

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3135V Algebra II

Credit: 1 Math Credit

Grade: 9, 10, 11, 12

Prerequisite: Geometry

Assessment(s): SOL Test - Algebra II

Description: This course reviews algebraic skills while introducing students to higher-level algebra concepts. Topics covered include: function notation, sequences and series, polynomial, radical, rational, and exponential functions.

3143V Geometry

Credit: 1 Math Credit

Grade: 9, 10, 11, 12

Prerequisite: Algebra I

Assessment(s): SOL Test - Geometry

Description: This course covers the traditional topics of plane and solid geometry including the study of points, lines, planes, angles, polygons, circles, and polyhedrons. Deductive reasoning is stressed and taught through applications.

4250V Oceanography

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Completion of Earth Science or Biology

Assessment(s): Final Exam (teacher created)

Description: Oceanography is a discipline of science that records and describes the features of the oceans. In this online course, students gain an understanding of oceanography through media-rich interactivities, videos, collaborative discussions, hands-on applications, scientific investigations, and real-world projects.

4260V Astronomy

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Completion of Earth Science or Biology

Assessment(s): Final Exam (teacher created)

Description: What makes a star shine? For how long will the Sun keep shining? What are black holes and how can they form? Students will gain an understanding of stars including tools used to explore stars, and recent discoveries about how stars are formed and exist.

4310V Biology

Credit: 1 Science Credit

Grade: 9, 10, 11, 12

Prerequisite: Pass Earth Science, Environmental Science or 8th Grade Physical Science

Assessment(s): SOL Test - Biology

Description: This is a comprehensive introductory course designed for disciplined and academically motivated students. Emphasis will be placed on developing the skills necessary for further science study.

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4410V Chemistry

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Concurrent enrollment in AFDA (Algebra Functions and Data Analysis) or higher

Assessment(s): SOL Test - Chemistry

Description: This course is an accelerated, comprehensive, college-preparatory coverage of chemistry. It is highly recommended for college-bound students and a must for science related careers. Success in chemistry will not only depend on the student's science retention, but also in their mathematical and computational reasoning.

4510V Physics

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Successful completion of 1 verified science credit and completion of Algebra I and Geometry and completion of or concurrent enrollment in Algebra II

Assessment(s): Final Exam (teacher created)

Description: Physics is an introduction to and investigation of the elegant and predictable laws that govern our universe. This course requires moderate math skills and participation in laboratory experiences. Laboratory and special projects involve work outside of class.

7320V Health Education 9

Credit: 0.5 Health Credit

Grade: 9

Prerequisite: none

Assessment(s): Final Exam (teacher created)

Description: This course is taken concurrently with Physical Education 9. Health focuses on awareness and consequences of risky behavior, drug intervention, overall wellness, family life, and identification of a healthy lifestyle for themselves and their community.

7425VS Health Education 10

Credit: 0.5 Health Credit

Grade: 10

Prerequisite: none

Assessment(s): Final Exam (teacher created)

Description: Students in this course will convert health/wellness, and their behaviors that reflect a conceptual understanding of the issues associated with maintaining good personal health. They serve the community through the practice of health-enhancing behaviors that promote wellness throughout life.

The driver's education classroom instruction component is taught in the Health 10 classes during the first nine weeks session of school. Driver education class is designed to help unlicensed driver's become familiar with the basis of vehicle control and the rules of the road so that they can successfully pass the test required to obtain a Virginia driver's license. Students must be present for 36 hours of classroom instruction, complete a 45 hour parent/teen driving log, hold learner's permit 9 months from the day they receive the permit. Early morning classes have limited enrollment.

8140V Fashion Marketing Virtual

Credit: 1 CTE Credit

Grade: 10, 11, 12

Prerequisite: None

Certifications: National Retail Federation Certification in Customer Service

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: Students who are interested in the business and marketing of fashion will study the history of fashion, color psychology, fashion cycles, trends vs. fads, branding, visual merchandising and advertising. Students will use simulations to develop their critical thinking skills while managing a virtual retail store.

8125V Digital Marketing Virtual

Credit: 1 CTE Credit

Grade: 11, 12

Prerequisite: none

Certifications: National Retail Federation Certification in Customer Service

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: This course is for students who aspire to work within or create a business that can operate on the Internet. Students gain knowledge of e-tailing, global business, marketing research, advertising, e-commerce, and website design. Students will use simulations to develop their critical thinking skills while managing a virtual retail store.

8403V Technology Foundations

Credit: 1 elective Credit

Grade: 9, 10, 11, 112

Prerequisite: none

Assessment(s): Final Exam (teacher created)

Description: This is an online course where students explore technological systems that focus on Communication, Construction, Manufacturing, Energy, Power and Transportation. Student research technology related careers and learn by a mixture of hands on projects, computer related skills and problem solving activities. All students participate in Technology Student Association (TSA) and practice workplace safety.

6120V Economics and Personal Finance - Honors

Credit: 1 CTE Credit

Grade: 11, 12

Prerequisite: none

Assessment(s): *W!SE Financial Literacy Certification*

Description: Learn how to make financial decisions related to budgeting, banking, credit, insurance, spending, taxes, investing, buying/renting a home and vehicle. Develop an understanding of basic economic structures and the global economy. Use simulations to practice navigating the financial decisions of a virtual life.

6121V Finance

Credit: 0.5 CTE Credit

Grade: 11, 12

Prerequisite: Must be enrolled in AP Microeconomics and /or AP Macroeconomics

Assessment(s): *W!SE Financial Literacy Certification*

Description: Learn how to make financial decisions related to budgeting, banking, credit, insurance, spending, taxes, investing, buying/renting a home and vehicle. Use simulations to practice navigating the financial decisions of a virtual life.

WALK - Credit Recovery and Alternative Learning Program

WALK is a Credit Recovery Program and Alternative Learning Program that is intended for the following groups of students (in this order of priority):

1. 4th year students who would not graduate on time without the recovery of additional credits.
2. 3rd year students who have been retained and may not graduate on time without the recovery of credits.
3. 3rd year students who have failed courses and are trying to catch up so that on-time graduation does not become a concern.

It is expected that students in WALK will still be attending the majority of their classes in mainstream courses. Students can be referred for the program by a teacher, administrator, parent, counselor, or by self-referral.

WALK runs from 9:05 a.m. – 3:50 p.m., Monday through Friday. Courses are taken on-line. The courses are self-paced and usually take a number of weeks to complete. Attendance will be taken, and students are expected to notify the program supervisor if they will be absent. Students with excessive absences or discipline issues will be removed from the program.

The following steps should be followed in requesting approval to enroll in WALK:

1. WALK referral form completed by school counselor.
2. Referral approved by WALK program coordinator and Principal or designee.

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3. Agreement of student and parent to enroll in program
4. The school counselor will notify the WALK supervisor and change the class schedule.

English

The English program is designed to help students learn to write and to speak clearly and effectively, to think critically and analytically, and to read and examine literature from a variety of genres and cultures. Discover the world of literature with us, refine your writing, and polish your oral communication skills. Proficiency in reading, writing, listening, speaking, and research skills enables students to gain information and to use knowledge to make meaningful connections between their lives and their academic disciplines.

Walker Upper Elementary School Course Offerings

1106/1109 English/Language Arts 6

Grade: 6

Prerequisite: None

Assessment(s): Reading SOL Test

Description: Sixth grade English/Language Arts curriculum goals begin with the English Standards of Learning. The program encompasses reading, writing, and oral language. Reading includes fiction, non-fiction, and poetry.

Buford Middle School Course Offerings

1110/1111 Language Arts 7

Grade: 7

Prerequisite: Completion of English 6

Assessment(s): Reading SOL Test

Description: Using the Standards of Learning as its foundation, this course will continue to develop student skills in reading comprehension, writing, oral communication, vocabulary, a variety of writing, and using electronic media.

1120/1121 Language Arts 8

Grade: 8

Prerequisite: Completion of English 7

Assessment(s): SOL Tests (8th Grade Reading and 8th Grade Writing)

Description: Using the Standards of Learning students will continue to develop critical and creative thinking, problem solving, communication, and reading of classical and contemporary fiction, poetry, and narrative nonfiction. There will be an emphasis on writing in a variety of forms including narrative, opinion, and information writing.

Charlottesville High School Course Offerings

01130 English 9

Credit: 1 English Credit

Grade: 9

Prerequisite: Completion of English 8

Assessment(s): Final exam (teacher created)

Description: This English class will focus on writing skills, vocabulary, reading comprehension, and oral communication skills. This course includes both independent and guided reading assignments, substantive essay practice, grammar instruction, and class discussions. *This course may be offered on a semester or yearly basis in order to fulfill credit recovery for some students.*

1130U English 9 Honors

Credit: 1 English Credit

Grade: 9

Prerequisite: Completion of English 8

Assessment(s): Final exam (teacher created)

Description: This honors class is open to all ninth graders. All students will participate in rigorous reading and writing activities.

01140 English 10

Credit: 1 English Credit

Grade: 10

Prerequisite: Completion of English 9 or English 9

Assessment(s): SOL Writing PBA

Description: In this course students will prepare for the SOL test in writing as well as work in developing their reading comprehension and communication skills. Students will prepare for the rigors of post-high school education and the working world. This course may be offered on a semester or yearly basis in order to fulfill credit recovery for some students.

1140U English 10 Honors

Credit: 1 English Credit

Grade: 10

Prerequisite: Completion of English 9 or English 9 Honors

Assessment(s): SOL Writing PBA

Description: In this course students will prepare for the SOL test in writing as well as work in developing their reading comprehension and communication skills. This course is designed for students who have an interest in either post-secondary education or the working world.

01150 English 11

Credit: 1 English Credit

Grade: 11

Prerequisite: Completion of English 10 or English 10 Honors

Assessment(s): SOL Test - End of Course Reading SOL

Description: *In this course students prepare for the SOL tests in reading as well as work on developing their writing and communication skills. This course is designed for students who have an interest in either post secondary education or the working world. This course may be offered on a semester or yearly basis in order to fulfill credit recovery for some students.*

1150U English 11 Honors

Credit: 1 English Credit

Grade: 11

Prerequisite: Completion of English 10 or English 10 Honors

Assessment(s): SOL Test - End of Course Reading SOL

Description: This honors class is open to all eleventh graders. All students will focus on reading American literature and writing literary analysis. In this course students will prepare for the SOL test in reading as well as work in developing their writing and communication skills. This course is designed for students who have an interest in either post-secondary education or the working world.

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1150S English 11 (Fall)

Credit: 1 English Credit

Grade: 11

Prerequisite: Completion of English 10 or English 10 - Honors and counselor recommendation

Assessment(s): SOL Test - End of Course Reading SOL

Description: In this course students prepare for the SOL tests in reading as well as work on developing their writing and communication skills. This course is designed for students who have an interest in either post secondary education or the working world. NOTE: This class will meet using the semester block model. This course may be offered on a semester or yearly basis in order to fulfill credit recovery for some students.

01196 AP English Language and Composition

Credit: 1 English Credit

Grade: 11

Prerequisite: High level of achievement in English 10 or English 10 Honors

Assessments: AP Exam and SOL Writing PBA

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly-motivated student who wishes to experience college-level work while still in high school. Students will become skilled readers of prose written in a variety of periods, genres, and contexts, and will write in a variety of modes and for a variety of purposes.

01160 English 12

Credit: 1 English Credit

Grade: 12

Prerequisite: Completion of English 11 or English 11 Honors

Assessment(s): Final Exam (teacher created)

Description: This course will focus on college applications, understanding and analyzing British literature, and essay writing. Students will polish their writing skills to prepare for post-secondary education or the working world and will learn about different career choices.

1160S English 12 (Spring)

Credit: 1 English Credit

Grade: 12

Prerequisite: Completion of English 11 and counselor recommendation

Assessment(s): Final Exam (teacher created)

Description: This course will focus on college applications, understanding and analyzing British literature, and essay writing. Students will polish their writing skills to prepare for post-secondary education or the working world and will learn about different career choices. NOTE: This class will meet using the semester block model.

01600 Dual Enrollment (DE) English 12

Credit: 1 English Credit; 6 community college credits

Grade: 12

Prerequisite: High level of achievement in English 11, English 11 Honors or AP English Language and Composition and Passing score on the PVCC Virginia Placement Test (VPT) or PSAT/SAT/ACT scores.

Assessment(s): Final Exam

Description: Dual Enrollment English 12 is a college-level freshman composition class which combines the use of PVCC curriculum and textbooks with the study of British literature. Dual Enrollment English 12 helps students develop writing ability for study, work, and other areas of writing based on experience, observation, research, and reading of selected literature. The course guides students in learning writing as a process of understanding audience and purpose, exploring ideas and information, composing, revising, and editing. It supports writing by integrating, composing, revising, and editing. It supports writing by integrating experiences in thinking, reading, listening, and speaking.

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01195 AP English Literature and Composition

Credit: 1 English Credit

Grade: 12

Prerequisite: High level of achievement in English 11, English 11 Honors or AP English Language and Composition

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly-motivated student who wishes to experience college-level work while still in high school. Students read and analyze British literature from the eighth century to the present.

1399 Public Speaking I

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Assessment(s): Final Exam (Teacher Created)

Description: In this course, students will develop increased comfort with public speech and will gain practice in the art of speaking to entertain, inform, and persuade. Students will obtain skills that will help them in areas ranging from classroom presentations, to large group public addresses, to college and job interviews.

1399A Public Speaking II

Credit: 1 Elective Credit

Grade: 10, 11, 12

Prerequisite: Public Speaking I

Assessment(s): Final Exam (Teacher Created)

Description: Students will build on their previous Public Speaking experiences by engaging in lengthier and more complex speeches in the areas of informative speaking, persuasion, entertainment, extemporaneous speech, and debate. They will post speaking videos to CHS YouTube and will give regular speeches outside of the classroom.

1171F Creative Writing I

Credit: 0.5 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Assessment(s): Final Exam (Teacher Created)

Description: This course is designed for students with a special interest in writing who wish to share their work with peer revision groups, to enter their writing to contests and literary magazines, and to write in a variety of genres.

1171S Creative Writing II

Credit: 0.5 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Assessment(s): Final Exam (Teacher Created)

Description: This course is designed for students with a special interest in writing who wish to share their writing with peer revision groups, to enter their writing to contests, to edit the lit magazine Graffiti, and to write in a variety of genres.

1171_3 Creative Writing III (fall)

1171_4 Creative Writing IV (spring)

Credit: 0.5 Elective Credit per course

Grade: 10, 11, 12

Prerequisite: Completion of Creative Writing I/II

Assessment(s): Final Exam (Teacher Created)

Description: Course builds on elements from Creative Writing I/II, with an increased emphasis on editing and publishing their own work as well as student work in our school publication Graffiti. Students will continue to develop skills in the genres of short story, poetry, and script-writing and will be introduced to the novel from a writer's perspective. Students will also complete a year-long, themed project utilizing one or more genres, with the option of self-publication upon completion.

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01221 Knight-Time Review (KTR)

Credit: 1 Elective Credit

Grade: 10, 11, 12

Prerequisite: none

Required: After-school and weekend layout sessions approximately once a month

Description: Students in this course are responsible for the production of a twelve-to-sixteen-page newspaper every five weeks. Students learn the steps of newsmagazine financing, writing, editing, layout, photography, and publication.

01222 Yearbook Publication I

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: No prerequisite, however interested students should demonstrate an interest in journalistic writing, online publication, digital layout design and/or photography.

Enrollment: Limited to 20 students

Description: Students in the introductory yearbook course learn the required elements of yearbook production including basic photography, videography, advertising design and layout, fundamental business techniques, online publication production, and journalistic writing. This course is a prerequisite for Yearbook Publication II and Yearbook Publication III.

01223 Yearbook Publication II

Credit: 1 Elective Credit

Grade: 10, 11, 12

Prerequisite: Yearbook Publication I; Recommendation of yearbook advisor.

Required: Commitment and ability to attend events outside of normal school hours. Ability to work independently and as a team.

Enrollment: Limited to 20 students

Description: Students in this course are responsible for the production of the Charlottesville High School Yearbook, The Chain. Students are responsible for designing and selling ads, managing the business of the yearbook class, photographing school related events, designing online publications and spreads, videography, and journalistic writing related to the yearbook. Students in this course may serve in leadership roles within the class.

1223 Yearbook Publication III

Credit: 1 Elective Credit

Grade: 11, 12

Prerequisite: Yearbook Publication I; Recommendation of yearbook advisor.

Required: Commitment and ability to attend events outside of normal school hours. Ability to work independently and as a team.

Enrollment: Limited to 20 students

Description: Students in this course are responsible for the production of the Charlottesville High School Yearbook, The Chain. This course is for junior and senior level publication staff members. Students are required to fill an Editor's position or take a leadership role on the publication staff.

1181A Literacy Lab A

Credit: 1 Elective Credit

Grade: 9, 10, 11

Prerequisite: None

Assessment(s): Final Exam (Teacher Created)

Description: This course will improve reading speed and accuracy, as well as a student's ability to sound out words. This course will focus on spelling, vocabulary, and comprehension of text at or above students' independent reading level in order to strengthen reading skills.

1182B Literacy Lab B

Credit: 1 Elective Credit

Grade: 9, 10, 11

Prerequisite: None

Assessment(s): Final Exam (Teacher Created)

Description: This course will focus on improving reading speed and accuracy. It will focus on spelling and vocabulary as key components of reading comprehension. Students will use reading strategies to build their comprehension of both fiction and nonfiction texts.

1183C Literacy Lab C

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Assessment(s): Final Exam (Teacher Created)

Description: This course will focus on improving reading comprehension as well as thinking and writing skills using reader's and writer's workshop methodology. The course will have a heavy focus on improving vocabulary to ensure students' success on the Reading and Writing SOL as well as the SAT.

Health and Physical Education

Health and Physical Education are critical for building habits for lifelong success and wellness. Health and Physical Education are sequential courses taught in grades 9 and 10. To earn a diploma from a Virginia high school, students must earn credit for Health and Physical Education 9 and Health and Physical Education 10 in addition to other high school graduation requirements.

Walker Upper Elementary School Course Offerings

7110 Physical Education 6

Grade: 6

Prerequisite: None

Description: In sixth grade the student will use personal fitness data to improve physical fitness, develop their decision-making skills in physical activities, identify and seek opportunities in school and in the community for physical activities, and will demonstrate competence in modified versions of various game/sport, rhythmic, and recreational activities.

Buford Middle School Course Offerings

7120 Health and Physical Education 7

7120A Health and Physical Education 7 - Afternoon (limited enrollment)

Grade: 7

Requirements: Daily participation with acceptable gym attire. T-shirt, athletic shorts, sweatpants, sweatshirts and athletic shoes. Students must bring their own lock for PE locker.

Description: Students rotate between Health and PE instruction. Health curriculum addresses the main components for healthy living. Technology is heavily incorporated in the lessons and assessments. Physical education focuses on improving the five components of fitness as well as movement and cooperation.

7200 Health and Physical Education 8

7200P Health and Physical Education 8 - Morning (limited enrollment)

Grade: 8

Required: Daily participation with acceptable gym attire. T-shirt, athletic shorts, sweatpants, sweatshirts and athletic shoes. Students must bring their own lock for PE locker.

Description: Health curriculum concentrates on increasing students' awareness of the requirements for becoming a healthy and productive adult. Technology is heavily incorporated in the lessons and there is an end of year project using their tablets. Physical education classes work on fitness goal setting and improving their five components of fitness.

Charlottesville High School Course Offerings

7320 Health Education 9

7320E Health Education 9 - Early Morning (limited enrollment)

7320V Health Education 9 - Virtual (limited enrollment)

Credit: 0.5 Health Credit

Grade: 9

Prerequisite: None

Assessment(s): Final exam (teacher created)

Description: This course is taken concurrently with Physical Education 9. Health focuses on awareness and consequences of risky behavior, drug intervention, overall wellness, family life, and identification of a healthy lifestyle for themselves and their community. Early morning classes have limited enrollment – based on the curriculum needs of the student.

7310 Physical Education 9

7310E Physical Education 9 - Early Morning (limited enrollment)

Credit: 0.5 Physical Education Credit

Grade: 9

Prerequisite: None

Required: Daily participation and daily acceptable gym attire. T-shirts, shorts or sweatpants, sneakers, and athletic socks – PE Uniform available for purchase.

Description: This course is taken concurrently with Health 9. This class focuses on movement skills, cognitive understanding of movement principles, development of personal fitness goals, and emphasis placed on sportsmanship, self-control and fulfilling one's potential. Activities include but are not limited to badminton, basketball, circuit training, and fitness testing.

7310V Physical Education 9 - Virtual (limited enrollment)

Credit: 0.5 Physical Education Credit

Grade: 9

Prerequisite: None

Description: This course is taken concurrently with Health 9. This class focuses on movement skills, cognitive understanding of movement principles, development of personal fitness goals, and emphasis placed on sportsmanship, self-control and fulfilling one's potential. A wide range of exercises are accepted for the weekly fitness logs. All activity must be verified and submitted with the logs. Students will also be responsible for completing weekly modules in Canvas to show understanding of varying physical education content and standards.

7425 Health Education 10

7425E Health Education 10 - Early Morning (limited enrollment)

7425V Health Education 10 - Virtual (limited enrollment)

Credit: 0.5 Health Credit

Grade: 10

Prerequisite: Health and PE 9

Description: The driver's education classroom instruction component is taught in the Health 10 classes during the first nine weeks session of school. Driver education class is designed to help unlicensed driver's become familiar with the basis of vehicle control and the rules of the road so that they can successfully pass the test required to obtain a Virginia driver's license. Students must be present for 36 hours of classroom instruction, complete a 45 hours parent/teen driving log, hold learner's permit 9 months from the day they receive the permit. Early morning classes have limited enrollment. Students taking virtual Health 10 are required to take Driver Education virtually as well. Students in this course will convert health/wellness, and their behaviors that reflect a conceptual understanding of the issues associated with maintaining good personal health. They serve the community through the practice of health-enhancing behaviors that promote wellness throughout life.

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7410 Physical Education 10

7410E Physical Education 10 - Early Morning (limited enrollment)

Credit: 0.5 Physical Education Credit

Grade: 10

Prerequisite: Physical Education 9

Required: Daily participation and daily acceptable gym attire. T-shirts, shorts or sweatpants, sneakers, and athletic socks – PE Uniform available for purchase.

Description: This course is taken concurrently with Health and Driver Education 10. This course provides more advanced skills. It focuses on personal fitness, fitness testing, and emphasis on sportsmanship and lifetime sports. Physical activities may include tennis, basketball, weight training, ping pong, bowling, volleyball and games.

7410V Physical Education 10 - Virtual (limited enrollment)

Credit: 0.5 Physical Education Credit

Grade: 10

Prerequisite: Physical Education 9

Required: Daily participation and daily acceptable gym attire. T-shirts, shorts or sweatpants, sneakers, and athletic socks – PE Uniform available for purchase.

Description: This course is taken concurrently with Health and Driver Education 10. This course provides more advanced skills. It focuses on personal fitness, fitness testing, and emphasis on sportsmanship and lifetime sports. A wide range of exercises are accepted for the weekly fitness logs. All activity must be verified and submitted with the logs. Students will also be responsible for completing weekly modules in Canvas to show understanding of the physical education standards and content.

7640 Personal Training and Wellness

Credit: 1 Elective Credit

Grade: 11, 12

Prerequisite: Successful completion of Health/PE 09 and 10

Note: Students seeking the industry credential must be in their senior year or 18 years old at the end of the course. Juniors may also take the course for elective credit but will be unable to test for certification at the end of the year unless they are 18 years of age.

Description: This is an advanced PE course where students can receive an elective credit. Students may also get a NASM CPT endorsement. Students will learn about the essentials to personal fitness training. Students will be introduced to the human movement system, the Optimum Performance Training (OPT) model and other domains of basic exercise science; assessment; exercise technique and training instruction; program design; considerations in nutrition; client relations and behavioral coaching; and professional development, practice, and responsibility. Course competencies have been constructed so as not to go beyond the professional scope of aide/assistant level. Mastery of the material in this course would provide students with a strong background should they wish to pursue certification in areas such as first aid, CPR, AED, and/or personal trainer.

08009 Personal Fitness and Weight Training

Credit: 1 Elective Credit

Grade: 11, 12

Prerequisite: Successful completion of Health/PE 09 and 10

Note: This course may NOT substitute for PE 9 or PE 10 as a graduation requirement. Students who have not previously received credit for Weight Training will be given scheduling priority

Description: This is a weightlifting class designed to teach weightlifting theory and technique in combination with personal fitness training. Students establish personal weightlifting goals and design and implement individual weight lifting programs. Student progress is monitored through self, peer, and instructor evaluation. A change of clothes is required for class.

7660 Sports Medicine I

Credit: 1 Elective Credit

Grade: 9 - 12

Prerequisite: None

Description: This course is designed to introduce students to the basic concepts of athletic training. Topics that will be covered include anatomy, tissue response to injury, medical terminology and prevention, assessment and rehabilitation of injuries. Students will also obtain certification in CPR and First Aid.

History and Social Science

The History and Social Science program offers courses at the Grade - level, Honors, Advanced Placement, and Dual Enrollment levels. The History and Social Science programming develops skills in analysis, writing, critical reading, research, and collaboration. These skills support students in their academics as they become citizens for a democratic society.

Walker Upper Elementary School Course Offerings

2353 U. S. HISTORY I (1607 to 1877)

Grade: 6

Prerequisite: None

Assessment(s): Performance Based Assessment

Description: Students use the fundamental concepts of civics, economics, and geography to study: the geography of North America; Native American culture development; European exploration in North America and West Africa; life in Colonial America; the causes and result of the American Revolution; the challenges faced in the New Republic; the westward expansion and reform; the causes, major events, and effects of the Civil War; and the effects of Reconstruction on American life.

Buford Middle School Course Offerings

2356 U. S. HISTORY II (1865 to the Present)

Grade: 7

Prerequisite: None

Assessment: Performance Based Assessment

Description: This course explores the United States from 1865 to the present. The curriculum covers social, economic, and technical advances, as well as the changing role of the United States on the world stage. Students will develop various historical inquiry skills throughout the course.

2221 Civics And Economics

Grade: 8

Prerequisite: None

Assessment: SOL Test

Description: This course provides students with the skills and knowledge required to participate responsibly as informed citizens in the American political and economic systems. Students practice critical thinking skills to evaluate and analyze political current events in their everyday lives. Students will explore the role of the citizen to gain an understanding of the importance of civic duty, including community service. Students are required to complete community service hours while enrolled in the course.

Charlottesville High School Course Offerings

02215 World History

Credit: 1 Social Studies Credit

Grade: 9

Prerequisite: None

Assessment(s): SOL Test - World History I

Description: The World History I course traces the history of human civilization and interaction from the dawn of man through the Renaissance, and is designed for the student seeking an engaging program of study that emphasizes both Western and non-Western civilizations. Students will work on refining skills of oral and written communication and the analysis of historical events through many sources.

2215H World History I Honors

Credit: 1 Social Studies Credit

Grade: 9

Prerequisite: Suggested concurrent enrollment in English 9 Honors

Assessment(s): SOL Test - World History I

Description: The World History I Honors course traces the history of human civilization and interaction from the dawn of man through the Renaissance, and is designed for the student seeking an engaging program of study that emphasizes both Western and non-Western civilizations. This is a rigorous course designed for the highly motivated student. Students will read primary and secondary source readings in each unit. Students will develop skills for college readiness in essay writing, reading, research, and collaboration.

2210 World Geography Honors

Credit: 1 Social Studies Credit

Grade: 9

Prerequisite: None

Assessment(s): SOL Test - World Geography

Description: The focus of this course is the study of the world's peoples, places, and environments, with an emphasis on world regions. The knowledge, skills, and perspectives of the course are centered on the world's peoples and their cultural characteristics, landforms and climates, economic development, and migration and settlement patterns.

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2212 AP Human Geography

Credit: 1 Social Studies

Grade: 9

Prerequisite: none

Assessments: AP Exam; Geography SOL

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: Advanced Placement Human Geography is a dynamic course that studies "the Why of Where". Students will explore topics such as population and migration, culture, politics, agriculture and industry, urbanization, and the environment, all on an introductory college level.

02216 World History II

Credit: 1 Social Studies Credit

Grade: 10

Prerequisite: None

Assessment(s): SOL Test - World History II

Description: This course emphasizes both Western and non-Western civilizations from the Renaissance to the present. Students will work on refining skills of oral and written communication and the analysis of data including primary and secondary sources.

2216H World History II - Honors

Credit: 1 Social Studies Credit

Grade: 10

Prerequisite: Suggested concurrent enrollment in English 10-Honors

Assessment(s): SOL Test - World History II

Description: From the Renaissance to the present, this is a college preparatory course designed for the highly motivated student who has a special interest in history. Students will develop skills for college readiness in essay writing, reading, research, and collaboration.

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2380 AP World History Modern

Credit: 1 Social Studies Credit

Grade: 10

Prerequisite: World Geography Honors

Assessments: AP Exam; World History II SOL

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This is a college level course which places demands and rigors on students that exceed those of non-advanced placement courses. Students should anticipate reading between 60 and 75 pages a week, regular essay assignments, and projects including a major research project.

2399 AP European History

Credit: 1 Elective Credit

Grade: 11, 12

Prerequisite: World Geography Honors

Assessments: AP Exam; World History II SOL

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly motivated student who wants to experience college-level work while still in high school. The demands and rigors of this course will exceed those of non-advanced placement courses. Students should anticipate reading between 60 and 75 pages a week, regular essay assignments, and projects including a major research project.

02360 Virginia and United States History

Credit: 1 Social Studies Credit

Grade: 11

Prerequisite: None

Assessment(s): SOL Test - Virginia and United States History

Description: This course is a study of U.S. and Virginia history from colonial times until the present. A primary objective is to provide students an opportunity to analyze and evaluate the myths and realities of events and personalities in history through a chronological survey. Students will work on refining skills of oral and written communication and the analysis of data including primary and secondary sources.

2360H Virginia and United States History - Honors

Credit: 1 Social Studies Credit

Grade: 11

Prerequisite: None

Assessment(s): SOL Test - Virginia and United States History

Description: This is a rigorous college preparatory course designed for the college-bound students seeking an engaging program of study that emphasizes American history from colonial times to the present. Students will have opportunities to work with secondary and primary sources, refine essay writing skills, and complete long-term projects.

02319 AP United States History

Credit: 1 Social Studies Credit

Grade: 11

Prerequisite: Suggested concurrent enrollment in AP English Language and Composition

Assessments: AP Exam; US History SOL

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly motivated student who wants to experience college-level work while still in high school. Students should anticipate reading between 60 and 75 pages a week, regular essay assignments, and projects. The sequence of the course is consistent with other courses in U.S. history; however, the scope of the course entails more in-depth coverage of content, mastery, and skills development.

2440 Virginia and United States Government - Honors

Credit: 1 Social Studies Credit

Grade: 12

Prerequisite: None

Assessment(s): Final Exam (teacher created)

Description: The US Government course is designed to focus on the three branches of government, elections, civil rights and civil liberties, foreign and domestic policy, and citizenship. Emphasis is placed on the decision-making process and the importance of informed citizenship.

2452 Dual Enrollment (DE) United States Government

Credit: 1 Social Studies Credit and 3 community college credits

Grade: 12

Prerequisite: Passing score on PVCC Virginia Placement Test (VPT) or PSAT/SAT/ACT scores.

Assessment(s): Final Exam

Description: Dual Enrollment US Government is the equivalent in rigor of content to those introductory level government courses taught by postsecondary faculty at community colleges across the country. Dual Enrollment US Government teaches structure, operation, and process of national, state, and local governments. It includes in-depth study of the three branches of government and public policy.

2445 AP United States Government Honors

Credit: 1 Social Studies Credit

Grade: 12

Prerequisite: Suggested concurrent enrollment in AP English Literature and Composition or Dual Enrollment English 12

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly motivated student who wants to experience college-level work while still in high school. It is a survey of the complex structure of American government and policies during the past 200 years. Students study the contexts of the political process, the major institutions of the national government, and the nature of US democracy.

2900F Psychology I

Credit: 0.5 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Description: This semester course provides a basic overview of some of the main approaches and fields within psychology. As a college preparatory course, students are expected to demonstrate and apply the basic methods and content of the field through exams, reflection assignments, and both individual and group projects. Psychology I covers topics including foundations of psychology, body and behavior, and human development.

2900S Psychology II

Credit: 0.5 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: Psychology I

Description: This semester course provides a basic overview of some of the main approaches and fields within psychology not covered in Psychology I. As a college preparatory course, students are expected to demonstrate and apply the basic methods and content of the field through exams, reflection assignments, and both individual and group projects. Psychology II covers topics including psychological disorders, consciousness, therapies, and social psychology.

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2902 AP Psychology

Credit: 1 Elective Credit

Grade: 10 - 12

Prerequisite: None

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This is a challenging high school course equivalent in content and rigor to an introductory college course in psychology. This course is designed to introduce students to the systematic and scientific study of behavior and mental processes. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology.

02802 AP Microeconomics (Semester 1)

02803 AP Macroeconomics (Semester 2)

Credit: 1 Elective Credit

Grade: 11, 12

Prerequisite: None

Assessments: AP Exam

Note: This is a two-part course; however, students must take both parts in sequential semesters in the same school year. Students wishing to complete the graduation requirement in Economics and Personal Finance can also enroll concurrently in the virtual, one-semester Finance course. Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: These rigorous courses are designed to help students develop an understanding of the American economic system as well as gain practical knowledge. Money, banking, financial markets, and investing as well as small business, entrepreneurship, trade, and the microeconomic concepts of supply and demand will be covered.

04107 African American History - Honors

Credit: 1 Elective Credit

Grade: 10, 11, 12

Prerequisite: None

Note: Course components: This course is to be presented in a blended format. The full course contains five online modules and units of study that are to be presented and facilitated by a history or history and social science endorsed teacher.

Additional information available in the FAQ document attached. This course is one elective credit. It does not replace the verified history and social science graduation requirement.

Course Description: This course will survey African American history from precolonial Africa through the present. Students will be introduced to key concepts in African American history from early beginnings in indigenous Africa through the transatlantic slave trade, the Civil War, Emancipation, Reconstruction, the Civil Rights era and into the present. The course, offered in a variety of learning models, will give students an opportunity to explore social events and processes, individuals and agency, documents and institutions; and analyze past and present positions for future implications for African Americans. This course does require students to complete a Capstone project. Students will pursue independent research relative to the content on a question or problem of their choice and produce a learning object that reflects a deeper understanding of African American history. (Updated September 2020)

2500DE Dual Enrollment (DE) Principles of Sociology

Credit: 1 Elective Credit and 3 community college credits

Grade: 10, 11, 12

Prerequisite: Passing score on PVCC Virginia Placement Test (VPT) in English or PSAT/SAT/ACT scores

Assessment(s): Final Exam

Description: In the first semester, DE Sociology introduces students to the fundamentals of social life. Students will explore significant research and theory in areas such as culture, social structure, socialization, deviance, social stratification, and social institutions. In the second semester, students will apply sociological concepts and methods to analysis of current social problems. Includes delinquency and crime, mental illness, drug addiction, alcoholism, sexual behavior, population crisis, race relations, family and community disorganization, poverty, automation, wars, and disarmament.

2420 Dual Enrollment (DE) Introduction to Criminal Law

Credit: 1 Elective and 3 community college credits

Grade: 10, 11, 12

Prerequisite: Passing score on PVCC Virginia Placement Test (VPT) in English or PSAT/SAT/ACT scores

Assessment(s): Final Exam

Description: Dual Enrollment Intro to Criminal Law is a challenging course equivalent in content and rigor to those introductory criminal law courses taught by postsecondary faculty at community colleges across the country. Dual Enrollment Criminal Law surveys the general principles of American Criminal Law, the elements of major crimes and the basic steps of prosecution procedure.

2995 History of Sports in America

Credit: 1 Elective Credit

Grade: 10, 11, 12

Prerequisite: None

Assessments: Final Exam (Teacher Created)

Description: Examines the historical development of sports in the United States from a societal and cultural view point, as well as the relationship between sports and race, politics, gender, economics, and societal change. Covered will be a wide range of topics from colonial sports to boxing, basketball, baseball, and more. Students will be required to actively participate in class, complete all assignments, and complete one project each nine-weeks outside of class.

Mathematics

The Mathematics Department offers programs designed to meet the needs of all students. A student may select any course in the sequence provided he or she meets the prerequisites. The department suggests that parents and students confer with a math teacher for recommendations regarding appropriate course selection. Students planning to attend college should select a sequence which includes Algebra II or above. Ninth grade students are placed in high school math courses using a variety of performance indicators and teacher recommendations. All courses in the Mathematics Department include workforce applications when appropriate.

Walker Upper Elementary School Course Offerings

3110 Math 6

Grade: 6

Prerequisite: Math 5 or equivalent

Assessment(s): SOL Test

Description: The sixth grade standards emphasize computation of whole numbers, decimals, and rational numbers, as well as geometrical and algebraic concepts. Problem solving is integrated throughout all the math strands.

Buford Middle School Course Offerings

3111 Pre-Algebra 7

Grade: 7

Prerequisite: Math 6 or equivalent

Assessment: SOL Test

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Description: Students will develop an understanding of rational numbers by using a variety of concrete, pictorial, and abstract representations. Solving multi-step practical problems and equations by analyzing proportional relationships, along with graphing and analyzing data, will provide the applications needed to make inferences and connections. New standards of learning include graphing linear equations and making connections between and among representations of a proportional or additive relationship between two quantities using verbal descriptions, tables, equations, and graphs.

Upon successful completion and assessments, students may take either Pre-Algebra 8 or Algebra I in grade 8.

3112 Pre-Algebra 8

Grade: 8

Prerequisite: Pre-Algebra 7 or equivalent

Assessment: SOL Test

Description: This course will provide students with the ability to use problem solving and mathematical reasoning to describe the relationships among the subsets of the real number system. Through connecting proportional relationships, lines, and linear equations, students will develop an advanced understanding of multiple representations. Students will apply the Pythagorean Theorem and represent relations and functions, using tables, graphs, and rules. New standards of learning include comparing and analyzing two data sets using boxplots and making observations and inferences about data represented in boxplots.

3130H Algebra I

Credit: 1 High School Math Credit

Grade: 7, 8

Prerequisite: High level of achievement in Math 6 or Math 7, Teacher Recommendation

Assessment: SOL Test

Description: This course emphasizes using algebra as a tool for representing and solving a variety of practical problems using algebraic expressions, equations, and inequalities. Graphing calculators are used to solve and verify solutions of equations and inequalities.

3143 Geometry 8

Credit: 1 High School Math Credit

Grade: 8

Prerequisite: High level of achievement in Algebra 1 7th, Teacher Recommendation

Assessment: SOL Test

Description: Geometry is a high school credit course with an End of Course SOL Test. This course includes properties of geometric figures, trigonometric relationships, and reasoning to justify conclusions. Inductive and intuitive approaches to proof as well as deductive axiomatic methods are used in problem solving.

Charlottesville High School Course Offerings

03130 Algebra I

Credit: 1 Math Credit

Grade: 9

Prerequisite: Math 8

Assessment: SOL Test

Description: This course emphasizes using algebra as a tool for representing and solving a variety of practical problems using algebraic expressions, equations, and inequalities. Graphing calculators are used to solve and verify solutions of equations and inequalities.

3131P1 Algebra I Part I

Credit: 1 Math Credit

Grade: 9, 10, 11

Prerequisite: Math 8

Note: This course is for teacher recommended students with a 504 or IEP.

Assessment: Final Exam

Description: Algebra 1 part 1 will cover one half of the algebra curriculum, working on the development of proportional reasoning, concepts of variables and functions, equality, and inequality, with equations and operations with equations.

3132 Algebra I Part II

Credit: 1 Math Credit

Grade: 10, 11, 12

Prerequisite: Algebra I part I

Note: This course is for teacher recommended students with a 504 or IEP.

Assessment: Final Exam

Description: Algebra 1 part 1 will cover one half of the algebra curriculum, working on the development of proportional reasoning, concepts of variables and functions, equality, and inequality, with equations and operations with equations.

3200 Algebra Study Skills

Credit: 1 Elective Credit

Grade: 9, 10, 11

Prerequisite: Teacher Recommended; Must be taken with Algebra I

Description: This course provides support for students taking Algebra I.

3130F Algebra I (Fall)

Credit: 1 Math Credit

Grade: 9, 10, 11, 12

Prerequisite: Math 8

Assessment: SOL Test

Description: This course provides the foundation for all higher mathematics. Topics covered include solving equations and inequalities, equations of lines, systems of equations, polynomial functions, and basic data analysis.

3143H Geometry- Honors

Credit: 1 Math Credit

Grade: 9, 10, 11, 12

Prerequisite: Algebra I or Algebra I Honors

Assessment: SOL Test

Description: This course is for students who can work rapidly at an abstract level. It is an advanced theoretically-based course that includes all topics in Geometry in addition to multi-step problem solving and extensive formal original proof in paragraph, two-column and flow chart form.

03135 Algebra II

Credit: 1 Math Credit
Grade: 9, 10, 11, 12
Prerequisite: Algebra I; Geometry
Assessment: SOL Test

Description: This course reviews algebraic skills while introducing students to higher-level algebra concepts. Topics covered include: function notation, sequences and series, polynomial, radical, rational, and exponential functions.

3135H Algebra II Honors

Credit: 1 Math Credit
Grade: 9, 10, 11, 12
Prerequisite: Algebra I; Geometry
Assessment: SOL Test

Description: This fast-paced, content-compacted course is for the serious and mathematically proficient student and typically leads to Pre-Calculus and AP Calculus. Topics covered include logarithmic functions and unit circle trigonometry in addition to all the traditional Algebra 2 content.

3230 Dual Enrollment (DE) Precalculus/Applied Calculus

Credit: 1 Math Credit and 6 community college credits
Grade: 11, 12
Prerequisite: Algebra II or Algebra II-Honors; Passing score on the PVCC Virginia Placement Test (VPT) in both English and Math or PSAT/SAT/ACT score.
Assessment: Final Exam

Description: Dual Enrollment Precalculus/Applied Calculus is intended to provide students with a study of functions and an introduction to Calculus. The first semester presents college algebra, matrices, and algebraic, exponential, and logarithmic functions. Equations and inequalities, graphing and functions, and systems of equations are included. The second semester presents limits, continuity, differentiation of algebraic and transcendental functions with applications, and an introduction to integration. Contains calculus applications for business, life sciences, and or social sciences. The class is designed for students that have successfully completed Algebra II or Algebra II Honors and want an introduction to Calculus. This class does not prepare the students to take AP Calculus.

3134 Algebra, Functions, and Data Analysis

Credit: 1 Math Credit
Grade: 10, 11, 12
Prerequisite: Algebra I and Geometry
Assessment: Final Exam

Description: The course is an introduction to Algebra II topics through mathematical modeling and data analysis. Students will study functions, systems of inequalities, probability, experimental design and implementation, and analysis of data.

03160 Algebra III/Trigonometry

Credit: 1 Math Credit
Grade: 10, 11, 12
Prerequisite: Algebra II or Algebra II-Honors
Assessment: Final Exam

Description: This rigorous Algebra and trigonometry course emphasizes trigonometry topics and introduces polar coordinates, analytical geometry, and probability and statistics.

3162H Precalculus Honors

Credit: 1 Math Credit
 Grade: 9, 10, 11, 12
 Prerequisite: Algebra II-Honors
 Assessment: Final Exam

Description: This precalculus course is designed for students who plan to enroll in AP Calculus (AB) in high school or a first semester calculus course in college. Students study functions, trigonometry, discrete mathematics, data analysis, analytic geometry, limits, and an introduction to calculus.

3190 Probability and Statistics

Credit: 1 Math Credit
 Grade: 11, 12
 Prerequisite: Algebra II
 Assessment: Final Exam

Description: This course will cover basic probability and statistics with an emphasis on using the concepts in everyday life, games of chance, understanding statistics in the news, and interpreting graphs will be among the topics covered.

03177 AP Calculus (AB)

Credit: 1 Math Credit
 Grade: 10 - 12
 Prerequisite: Precalculus Honors
 Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: Focusing on differential and integral calculus in one variable, this course prepares the very able mathematics students for the AP Calculus (AB) examination. This course covers the material normally included in first semester college calculus.

03178 AP Calculus (BC) Multivariable

Credit: 1 Math Credit
 Grade: 11, 12
 Prerequisite: High level of achievement in AP Calculus (AB)
 Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This college-level course is offered to students who have completed AP Calculus (AB) and wish to take the next class in the calculus sequence. The curriculum includes the C calculus topics, vector calculus, and differential and integral calculus in two variables.

03192 AP Statistics

Credit: 1 Math Credit
 Grade: 11, 12
 Prerequisite: Completion of or concurrent enrollment in Algebra III/Trig
 Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This non-calculus based course in introductory statistics is designed to challenge the highly motivated student and to prepare them for the AP Statistic Exam. Topics of study include statistical distributions, probability, linear correlation, and hypothesis testing.

03185 AP Computer Science A

Credit: 1 Math Credit
 Grade: 11, 12
 Prerequisite: Algebra II
 Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This advanced placement Java programming course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. Other topics covered include data structures, program design and abstractions.

Science

Through biology, chemistry, and physics courses, the science program offers experiences for students to explore, explain and apply scientific concepts, skills, and processes to events that affect their lives. Students learn to systematically investigate, analyze data, use reasoning and logic to evaluate evidence, and understand the importance of research that validates or challenges ideas.

Students should consult with their counselors to develop an appropriate science sequence. There are several possible sequences and students should select one which best matches their own interests and abilities. The selection of a science course should be made with careful reference to the prerequisites that serve as indicators of the academic skills and knowledge necessary for success in the course.

Walker Upper Elementary School Course Offerings

3236 Grade 6 Science

Grade: 6

Prerequisite: None

Description: This course explores Scientific investigation, Reasoning, and Logic; Force, Motion, and Energy; Matter; Life Processes; Living Systems; Interrelationships in Earth/space systems; Earth patterns, cycles, and change; and, Earth resources.. Students use scientific investigation skills to develop a firm understanding of the nature of science through observations, experimentation, models, and systematic processes. Concepts are reinforced through engineering design activities.

Buford Middle School Course Offerings

4117HO Life Science

Grade: 7

Prerequisite: None

Description: Life Science is the study of the complex interaction of change, cycles, patterns, and relationships in the Living World. The course is designed to foster critical thinking skills by engaging students with inquiry and practical experiences as we investigate the nature of science. Students will integrate the study of historical contributions, focused vocabulary study, direct observation and laboratory investigations to attain a better understanding of the living world around us. The Life Science course obtains direction from the Virginia Standards of Learning.

4125HO Physical Science

Grade: 8

Prerequisite: None

Assessment: SOL Test

Description: This course emphasizes the nature and structure of matter and the characteristics of energy. Scientific processes, thinking, and laboratory skills are stressed through hands-on, inquiry-based activities. Concepts are reinforced through engineering design activities. Students enrolled in this course will take the Grade 8 Science Standards of Learning (SOL) test which covers grades 6-8 science standards.

Charlottesville High School Course Offerings

04210V Earth Science (only offered through WALK Program and LMA as credit Recovery)

Credit: 1 Science Credit
Grade: 9, 10, 11, 12
Prerequisite: None
Assessment: SOL Test

Description: This course will develop a basic understanding of earth and space science as well as the scientific method used to study these systems. Students will investigate these topics through class lectures, labs, activities, reading, homework, and integrated projects

4270 Environmental Science

Credit: 1 Science Credit
Grade: 9, 10, 11, 12
Prerequisite: None
Assessment: Final Exam (Teacher Created)

Description: This course will provide students with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world through laboratory investigations and fieldwork. Students will identify and analyze environmental problems both natural and human-made and evaluate the relative risks associated with natural and man-made problems and use data to examine a variety of solutions for resolving and/or preventing environmental issues.

AP_4270 AP Environmental Science

Credit: 1 Science Credit or 1 Elective Credit
Grade: 11, 12
Prerequisite: None
Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: Environmental concerns, energy, earth processes, and the influences of science, technology, and society. Field trips, laboratory investigations, and other classroom activities permit students to interrelate these topics and to gain personal experiences within their surroundings.

4272 Dual Enrollment (DE) Environmental Science

Credit: 1 Science Credit and 4 community college credits
Grade: 11, 12
Prerequisite: Completion of two years of high school science with a B average or better; Passing score on Virginia Placement Test (VPT) in English and Math or PSAT/SAT/ACT scores.

Description: Dual Enrollment Environmental Science is an introductory class that covers basic environmental principles and contemporary environmental issues with field studies being an integral part of the course. It presents the basic concepts of environmental science through a topical approach. Includes the scientific method, population growth and migration, use of natural resources and waste management, ecosystem simplification and recovery, evolution, biogeochemical cycles, photosynthesis and global warming, geological formations, atmosphere and climate, and ozone depletion, pollution examples and anti pollution laws, and acid deposition.

4310HO Biology - Honors

Credit: 1 Science Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Assessment: SOL Test

Description: This is a rigorous, laboratory-oriented course for students who have demonstrated an unusually strong talent and interest in science. Students must be able to work and learn independently, successfully complete research projects, and work at an accelerated pace.

04370 AP Biology

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: High levels of achievement in Biology or Biology-Honors and high levels of achievement in Chemistry or Chemistry-Honors

Recommended: Enrollment in Precalculus or higher; completion of Physics - Grade level or higher

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course, usually taken by biology majors during their first year. College Board guidelines are followed in shaping the course.

04410 Chemistry

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Concurrent enrollment in Algebra, Functions, and Data Analysis or higher

Assessment: SOL Test

Description: This course will develop a basic understanding of earth and space science as well as the scientific method used to study these systems. Students will investigate these topics through class lectures, labs, activities, reading, homework, and integrated projects

4410H Chemistry - Honors

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Concurrent enrollment in Algebra II-Honors or higher

Recommended: A/B average in previous honors level math courses, or pass advanced on the Algebra I SOL

Assessment: SOL Test

Description: Honors chemistry is a rigorous, fast-paced course designed to prepare students for AP Chemistry and AP Biology, as well as a general college course in chemistry. Superior skills in math and reasoning are essential to success in this course, alongside good independent study habits. Concepts will be reinforced through laboratory experience.

04470 AP Chemistry

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: High levels of achievement in Biology or Biology-Honors and high levels of achievement in Chemistry or Chemistry-Honors

Recommended: Enrollment in Precalculus or higher; completion of Physics - Grade level or higher

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly motivated student who wishes to experience college-level work while still in high school. The Advanced Placement Chemistry course is designed to be the equivalent of a college introductory chemistry course, usually taken by chemistry majors during their first year.

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04510 Physics

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Successful completion of 1 verified science credit and completion of Algebra I and Geometry and completion of or concurrent enrollment in Algebra II

Assessment: Final Exam (teacher created)

Description: Physics is an introduction to and investigation of the elegant and predictable laws that govern our universe. This course requires moderate math skills and participation in laboratory experiences. Laboratory and special projects involve work outside of class.

03165 AP Physics I

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Successful completion of 1 verified science credit and completion of Algebra I and Geometry and completion of or concurrent enrollment in Algebra II

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: Students will cultivate their understanding of physics and science practices as they explore the following topics: Kinematics, Newton's laws, Circular motion, Universal law of gravitation, simple harmonic motion, impulse, linear momentum, and conservation of linear momentum, work, energy, and conservation of energy, rotational motion, rotational dynamics, and conservation of angular momentum, electrostatics, DC circuits, and mechanical waves and sound

04570 AP Physics C

Credit: 1 Science Credit

Grade: 11, 12

Prerequisite: Concurrent enrollment in AP Calculus (AB) or higher and a high level of achievement in Physics or AP Physics I

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: AP Physics C is a calculus-based second-year physics course, intended to build upon the understandings and lab skills acquired in an introductory physics class. The course is two semester courses: Mechanics, Electricity and Magnetism.

04330 Biology II: Human Biology

Credit: 1 Science Credit

Grade: 11, 12

Prerequisite: High levels of achievement in Biology or Biology Honors and high levels of achievement in Chemistry or Chemistry Honors

Assessment: Final Exam (teacher created)

Description: Anatomy is a second-level biology course which focuses on human anatomy and physiology. Dissection labs are an integral part of the course. This course is recommended to students interested in health fields, sports medicine, art, psychiatry and anthropology.

4320 Forensic Science Honors

Credit: 1 Science Credit

Grade: 11, 12

Prerequisite: High levels of achievement in Biology or Biology Honors and high levels of achievement in Chemistry or Chemistry Honors

Assessment: Final Exam (teacher created)

Description: Forensic Science is a yearlong science course that aims to educate students in the real world application of many concepts explored throughout their secondary education. We will explore the uses of earth science, biology, chemistry, environmental science, human biology, and math in the field of forensic science.

04340 Ecology

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Biology or Earth Science

Assessment: Final Exam (teacher created)

Description: Ecology is a second level biology course which focuses on the interactions of organisms in their environment. This course is recommended to students with an interest in natural sciences and students desirous of developing their science skills.

4240 Geology

Credit: 1 Science Credit

Grade: 10, 11, 12

Prerequisite: Biology or Earth Science

Assessment: Final Exam (teacher created)

Description: Geology is a second-level earth science course which focuses on basic theories of geology and mineral and rock identification. This course is recommended to students interested in geology that would like to further explore this earth science.

04610 Concepts of Laboratory Science

Credit: 1 Science Credit

Grade: 9

Prerequisite: ESL II or teacher recommendation

Note: This course is for ESL students.

Assessment: Final Exam (teacher created)

Description: This course introduces students to the disciplines of Earth science and biology while teaching the skills needed for success in both of those courses. The course focuses on strengthening reading, math, graphing, map use, technology use, and laboratory skills.

Students with Disabilities

The Special Education Program is provided for students who have been identified with a disability and found eligible for special education services. Assistance is provided using various models of instruction: Monitor, Resource, Inclusive Practices and Self-Contained. Students who are eligible for special education services are served through the implementation of individualized education plans.

Special Education Services

Special Education services are offered at all grade levels in the Charlottesville City Schools.

Special Diploma Options

In addition to the Advanced and Standard Diploma, students with disabilities who receive special education services have additional diploma options available to them (described on pages 16 and 17).

Monitor

The Special Education Department offers support to students in mainstream classes through consultation with regular education teachers, monitoring of the student's performance, and direct assistance on an as-needed basis. Students may access the strategies lab during classes in order to receive assistance from a special education teacher or receive accommodations as designated in their IEP.

Collaborative Classes

Students with disabilities who are seeking an Advanced or Standard diploma may be enrolled in general education classes with an additional special educator as directed by the IEP. These collaborative classes are taught with one content teacher and special education teacher. These courses are not noted in any way on student schedules but are designed to provide extra support for students with disabilities.

Strategies

Direct assistance is available for a variety of student needs, including test-taking, homework and make-up work, project/research paper development, organization, study skills, and progress toward IEP goals. Strategies also support students who are taking mainstream courses through consultation with the general education teacher and monitoring of the student's performance.

Career Studies

These core classes (excluding lab sciences) are taught at the practical level by special education teachers and are only for students with identified disabilities. In order for students to be enrolled in departmentalized classes, the IEP Committee (including high school staff) determines placement. Students participating in this program will most likely receive an IEP diploma. These courses do not meet the credit/academic requirements for students seeking a standard diploma.

Functional Skills

Functional Skills programs are offered for Students with Disabilities at all grade levels. The Functional Skills programs offered at Walker, Buford, and Charlottesville High School include developmental, life skills and career preparation.

Services for the Deaf and Hard of Hearing

Special services are provided for students who have been identified as deaf or hard of hearing and found eligible for special education services. Students are mainstreamed into regular education programming with the exception of designated hearing-impaired classes as specified in the IEP. Students are expected to receive a diploma.

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07804 CS English

Credit: Applied Studies Diploma

Grade: 9, 10, 11, 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: Students enrolled in Career Studies English will develop confidence to express themselves by discovering their voice through a variety of texts and the use of the writing process paired with oral language activities. Emphasis is placed on reading comprehension, critical thinking, computer technology, publishing written work, and improving English language skills.

07800 Strategies

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Note: This course can be repeated for credit.

Description: This course is designed to assist students with general organization, study skills, and completion of assignments and tests. In addition, Strategies can provide direct teaching in academic support areas to further understanding of concepts.

07807 Developmental Reading

Credit: Applied Studies Diploma

Grade: 9, 10, 11, 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This class is designed to help students to become more fluent, confident readers. Basic reading skills are taught through phonics, sight word recognition, fluency, comprehension, and word study. Reading will be both individual and whole group to nurture the desire and ability to explore the world through books.

7808 CS Math

Credit: Applied Studies Diploma

Grade: 9, 10, 11, 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This course is designed to prepare students to manage money and time in order to become more independent in the adult world. Students will study the use of calculators, one-step word problems, working with money, working with the concept of time, measurement, budgeting, and consumer awareness.

7812 Social Studies I

Credit: Applied Studies Diploma

Grade: 9

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This course covers basic geography skills and their applications to different regions of the world. Emphasis will be on basic geographic features, map reading skills, and current events.

7813 Social Studies II

Credit: Applied Studies Diploma

Grade: 10

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This course covers the ancient civilizations of Egypt, Rome, and Greece, the settling of the Americas and current history. The application and continued development of map reading skills and current events will be an ongoing part of instruction.

7818 Science I

Credit: Applied Studies Diploma

Grade: 9

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This course is a study of earth science topics that students encounter in their daily lives. Students will study: Earth's features, Earth's crust, Earth's atmosphere, weather and climate, Earth's history, Earth's oceans and astronomy and space exploration.

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7819 Science II

Credit: Applied Studies Diploma

Grade: 10, 11

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This course is a study of physical science topics that students encounter in their daily lives. Students will study properties of matter, energy and change in matter, force and motion, work and machines, heat, light and sound, electricity and magnetism and energy resources.

7896 Senior Transition

Credit: Applied Studies Diploma

Grade: 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This course is designed for students preparing to leave school and enter the world of work. Students will study independent living skills, budgeting, access to community programs, relationships, and employment.

19154 Independent Living Skills

Credit: Applied Studies Diploma

Grade: 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: Independent Living Skills is designed to give students exposure to a variety of skills needed for independence, such as grocery shopping, cooking, health and safety, homecare, navigating the community and communication. Students will have the opportunity to research the expenses of finding a place to live, choosing insurance companies, furnishing an apartment or home, buying a new car and more. This course will also explore maintaining checking and savings accounts, paying taxes and keeping a budget. These important life skills are used as a backdrop to practice critical problem solving and social skill development.

22999_SOAR SOAR Strategies

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This course is designed to provide students opportunities to consider a variety of career opportunities and begin to determine realistic career goals. Students will identify learning preferences, strengths, interests, personality traits and values.

9199SC Creative Arts

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This is a beginning level art course open to all students regardless of ability or previous art experience. Through a variety of hands-on art and multicultural craft projects, students will explore the elements of art, and focus on the development of fundamental art skills in an individualized environment.

7300 Health 9

Credit: 0.5 Credit

Grade: 9, 10, 11, 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Note: This is a semester course.

Description: This course is taken concurrently with PE 9. The course focuses on awareness of and consequences of risky behavior, drug intervention, overall wellness, family life and identification of a healthy lifestyle for themselves and their community.

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7400 Health 10

Credit: 0.5 Credit

Grade: 9, 10, 11, 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Note: This is a semester course.

Description: This course will cover health/wellness and their behaviors that reflect a conceptual understanding of the issues associated with maintaining good health. Driver education class is designed to help unlicensed drivers become familiar with the basics of vehicle control and the rules of the road so that they can successfully pass the test required to obtain a Virginia Driver's License.

7899 Career Awareness

Credit: 1 Credit

Grade: 9, 10

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: This course is designed to provide students opportunities to consider a variety of career opportunities and begin to determine realistic career goals. Students will identify learning preferences, strengths, interests, personality traits and values.

9840 Garden to Market

Credit: 1 Credit

Grade: 9, 10, 11, 12

Prerequisite: Student must have an IEP and the IEP must designate that the student requires this course.

Description: Utilizing access to the CHS garden and greenhouse, students will work collaboratively to develop a planting plan, nurture crops in the school garden, harvest the crops and develop a strategy in order to sell the harvest. In addition to learning real-life gardening and landscaping skills, this course, designed for students with an IEP, will provide opportunities to build real-world skills in applied math, entrepreneurship, reading, and writing as well as addressing historical and scientific themes relating to the environment and nutrition. Field trips to farmers' markets and local farms will enhance the student's experience and will give them access to experts in the farming industry.

C3120 Personal Living and Finance

Credit: 1 CTE Credit

Grade: 11, 12

Prerequisite: None

Assessment: Workplace Readiness Skills Assessment

Description: Students learn how to navigate the financial decisions they must face and to make informed decisions related to budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, and inheritance. Instruction in personal finance prepares students to function effectively as consumers, savers, investors, entrepreneurs, and active citizens. The course incorporates all personal living and finances objectives included in the Code of Virginia §22.1-253.13:1.B.

****This course combined with 3 History/Social Studies credits counts for the Personal Finance and Economics graduation requirement for students with an IEP or 504. (see superintendent's memo here)***

Middle School (6-8) Exploratory Courses

Exploratory courses allow middle school students (6-8) to experience a wide variety of elective opportunities.

Walker Upper Elementary School Course Offerings

Walker elective courses may have students enrolled concurrently with varied prior experience in content-specific coursework.

9230 Band

Grade: 6

Prerequisite: None

Description: Students will develop and extend fundamental skills and musicianship on their instrument. Students will demonstrate knowledge of musical terms and symbols, rhythmic notation, fingerings, and location of pitch. They will demonstrate a mature sound as it relates to tone quality and intonation. Instruction and grouping are differentiated based on students' prior experience in Band coursework.

9237 Orchestra

Grade: 6

Prerequisite: None

Description: Students will develop and extend fundamental skills and musicianship on their instrument. Students will demonstrate knowledge of musical terms and symbols, rhythmic notation, fingerings, and location of pitch. They will demonstrate a mature sound as it relates to tone quality and intonation. Instruction and grouping are differentiated based on students' prior experience in Orchestra coursework.

9269 General and Vocal Music

Grade: 6

Prerequisite: None

Description: The general and vocal music standards involve students in a higher level of music concepts and the further development of music skills through singing, playing instruments, moving, and listening. The standards encourage the reading of music notation and the assimilation of previous music study toward understanding the mechanics of a music score. Instruction and grouping are differentiated based on students' prior experience in General and Vocal Music coursework.

9103 Visual Arts 6

Grade: 6

Prerequisite: None

Description: The standards for grade six art emphasize exploration of studio processes, using the elements of art and the principles of design, students will investigate a variety of experiences and concepts. Students will explore various two-dimensional and three-dimensional art media, using a variety of expressive and technical approaches. Through critical analysis and evaluation, students determine how artists convey meaning through the use of forms, media, and symbols.

8402 Introduction to Engineering

Grade: 6

Prerequisite: None

Description: In these introductory courses, students will explore the worlds of Science, Technology, Engineering, and Mathematics through authentic, interdisciplinary experiences. Students will engage in learning that emphasizes collaboration, innovation, and problem-solving with exposure to a variety of tools and resources. Topics may include robotics, computer science, and applied science and mathematics. Instruction is differentiated based on students' prior experience in Engineering coursework.

5504 Spanish Exploratory

Grade: 6

Prerequisite: None

Description: This course is based on comprehensible storytelling and cooperative story creating. Students will see and hear short films, comics, pictures and stories to increase their comprehension of the most common words in Spanish. This course is designed for every Spanish learner from Novice to Advanced. We will learn how our brains acquire language, celebrate our growth and connect our own experiences to the Spanish speaking world. Students set their own proficiency goals and demonstrate their learning through translating, writing, drawing and speaking. Units include indigenous history and legends, AfroLatin identity, Spanish tomato fights, Mexican axolotls, Puerto Rican superheroes, Salvadorean muralists and Argentinian soccer players.

Buford Middle School Course Offerings

Exploratory CTE and Related Arts Course Descriptions

Career and Technical Education Exploratory Courses (CTE):

8450 Engineering I - Full Year

Credit: 1 High School Credit

Grade: 8

Prerequisite: None

Description: An introduction to engineering as a profession, a process, a mindset, and the application of technical skills and knowledge. Students will design, prototype, test, and report on a wide range of projects. Students will learn basic programming, computer aided design (CAD), computational software, and electronics, as well as teamwork and problem solving.

8464 Foundations of Engineering - 18 weeks

Grade: 7, 8

Prerequisite: None

Description: An introduction to the engineering design process through inventions. Students will design, prototype, and test projects, learn basic programming, and a basic introduction to CAD for 2-D and 3-D fabrication, and design.

05051 Middle School Exploratory Dramatics-18 weeks

Grade: 7, 8

Prerequisite: None

Description: The Buford Middle School Exploratory Dramatics course supports students as they develop communication and collaboration skills while increasing their understanding of theatre performance. Students explore and refine the creative process while developing critical-thinking skills. Students build ensemble skills, focus on the psychological and emotional dimensions of characters in action, and collaborate on complex projects. Students conduct character analysis to research, develop, and present a scripted character, explore technical theatre and production concepts, and write critiques. They refine skills that are necessary to make artistic decisions and present unified productions. This course prepares students for theatre arts studies at the high school level.

11101 Journalism-18 weeks

Grade: 7, 8

Prerequisite: None

Description: Journalism offers students an opportunity to learn about the foundations of journalistic practice, and to produce Buford Middle School's newspaper. Students will develop their abilities in writing, reporting, and editing.

12053 Introduction to Urban Farming - 18 Weeks

Grade: 7

Prerequisite: None

Description: In this course, students will explore in an introductory manner the world of agriculture through authentic, hands-on experiences in the garden and greenhouse spaces at Buford. Students will work collaboratively to develop basic food-growing, landscaping and workplace readiness skills while learning about broader agricultural and food industry systems, including local community-led efforts through the Urban Agriculture Collective.

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18201 Urban Farming - 36 Weeks

Grade: 8

Prerequisite: None

Description: In this course, students will explore the world of agriculture through authentic, hands-on experiences in the garden and greenhouse spaces at Buford. Students will work collaboratively to develop basic food-growing, landscaping and workplace readiness skills while learning about broader agricultural and food industry systems, including local community-led efforts through the Urban Agriculture Collective. This will include developing and executing planting plans, tending to, harvesting and distributing crops in the school garden, as well as supporting community action projects like the annual Spring Seedling Giveaway. Other learning topics may include nutrition and food preservation, infrastructure design and construction, ecology and the environment. Field trips to the Urban Agriculture Collective and other local farms will enhance the student's experience and connectedness with our local food system.

11104 Yearbook-Full Year

Grade: 7, 8

Prerequisite: None

Description: Students in the yearbook course learn the required elements of yearbook production including basic photography, videography, advertising design and layout, fundamental business techniques, online publication production, and journalistic writing.

Visual and Performing Arts Exploratory Courses:

Exploratory Art 7 (9 weeks)

Grade: 7

Prerequisite: None

Description: Students develop an interest and awareness of their relationship to art and investigate visual arts careers. Visual Arts are examined through application, art history, art theory, and formal discussions. Students expand their vocabulary as they explore the meaning of works of art through the evaluation of subject matter, themes, and symbols.

9105 Art 7 (18 weeks)

Grade: 7

Prerequisite: None

Description: The objective of this course is to develop an interest in the visual arts through application, art history, art theory, and formal discussions. This objective will be met by developing basic art skills using various mediums. The course will explore color, line, space, emphasis, proportion, perspective, and the creative process.

9106Y Art 7 - Full Year

Grade: 7

Prerequisite: None

Description: The full-year art program is for students who want to focus on advancing their own visual art skills. Students continue the exploration, analysis, and investigation of the creative process. The course will explore color, line, space, emphasis, proportion, perspective, and the creative process. Students apply elements of art and principles of design to solve artmaking challenges using various processes and materials both in 2-D and 3-D works of art. They develop critical thinking skills and expand their vocabulary as they explore the meaning of works of art through the evaluation of subject matter, themes, and symbols. Students develop an increased awareness of their relationship to art and investigate visual arts careers.

Exploratory Art 8 (9 weeks)

Grade: 8

Prerequisite: None

Description: Students develop an interest and awareness of their relationship to art and investigate visual arts careers. Visual Arts are examined through application, art history, art theory, and formal discussions. Students expand their vocabulary as they explore the meaning of works of art through the evaluation of subject matter, themes, and symbols.

9115 Art 8 - Full Year

Grade: 8

Prerequisite: None

Description: The full-year art program is for students who want to focus on advancing their own visual art skills through application, and discussions around art history, art theory, culture and citizenship. Students will apply and synthesize previously learned concepts with more complexity and refine technical skills. The course will explore color, value, proportion, unity, variety, observation and expressive drawing techniques. Students make conscious choices of media, processes, and techniques for expressive and creative purposes in original 2-D and 3-D works of art. They will develop critical thinking skills in the analysis and critique of the work of self and others. Students make connections between art experiences and other fields of knowledge in order to develop solutions to real-world problems.

9116 Art 8 (18 weeks)

Grade: 8

Prerequisite: None

Description: The objective of this course is to develop an interest in the visual arts through application, art history, art theory, and formal discussions. This objective will be met by developing basic art skills using various mediums through the creative process. The course will explore color, value, proportion, unity, variety, observation and expressive drawing techniques.

9231 Middle School Concert Band - Full Year

Grade: 7, 8

Prerequisite: Teacher Recommendation

Description: This course will focus on developing musicianship by studying chromatic scale, major scales, (rudiments and various rolls), intermediate methods and rhythms, concert music, and rehearsal skills. Students increase individual technical skills while developing their understanding of the collaborative skills required to create and refine music for ensemble performance. Music literacy skills are emphasized as students read, notate, sight-read, and perform music. Students respond to, describe, interpret, and evaluate music as performers and listeners, and experience music from a variety of cultural influences, styles, composers, and historical periods. Students compare and contrast career options in music and examine the relationship of instrumental music to the other fine arts. Opportunities are provided for students to participate in local, district, and regional music events as appropriate to level, ability, and interest.

Middle School Concert Band Percussion - Full Year

Grade: 7, 8

Prerequisite: Teacher Recommendation

Description: This course will focus on developing musicianship by studying mallets (chromatic scale and major scales); snare drum (rudiments and various rolls); timpani; accessory percussion including, but not limited to: bass drum, triangle, and tambourine; intermediate methods and rhythms; concert music; and rehearsal skills. Students increase individual technical skills while developing their understanding of the collaborative skills required to create and refine music for ensemble performance. Music literacy skills are emphasized as students read, notate, sight-read, and perform music. Students respond to, describe, interpret, and evaluate music as performers and listeners, and experience music from a variety of cultural influences, styles, composers, and historical periods. Students compare and contrast career options in music and examine the relationship of instrumental music to the other fine arts. Opportunities are provided for students to participate in local, district, and regional music events as appropriate to level, ability, and interest.

9234 Middle School Symphonic Band - Full Year

Grade: 7, 8

Prerequisite: Audition and Teacher Recommendation

Description: Students extend their knowledge of instrument-specific techniques while expanding their vocabulary of scales, arpeggios, and rudiments in more complex rhythmic patterns. Ensemble skills become more developed as students participate and collaborate with others to create and recreate music. Music literacy and performance skills are emphasized through performing and sight-reading progressively challenging literature. Students investigate connections between music skills and college, career, and workplace skills and investigate current and emerging technology in music. Opportunities are provided for students to participate in local, district, regional, and state events as appropriate to level, ability, and interest.

9236 Middle School Intermediate Orchestra - Full Year

Grade: 7, 8

Prerequisite: Teacher Recommendation

Description: The Buford Intermediate Orchestra program is a class that works on intermediate middle school orchestral techniques. Students increase individual technical skills while developing their understanding of the collaborative skills required to create and refine music for ensemble performance. Music literacy skills are emphasized as students read, notate, sight-read, and perform music. Students respond to, describe, interpret, and evaluate music as performers and listeners, and experience music from a variety of cultural influences, styles, composers, and historical periods. Students compare and contrast career options in music and examine the relationship of instrumental music to the other fine arts. Opportunities are provided for students to participate in local, district, and regional music events as appropriate to level, ability, and interest.

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9239 Middle School Advanced Orchestra - Full Year

Grade: 7, 8

Prerequisite: Audition and Teacher Recommendation

Description: The Buford Advanced Orchestra program is a class that works on advanced middle school orchestral techniques. Students extend their knowledge of instrument-specific techniques while expanding their vocabulary of scales, arpeggios, and rudiments in more complex rhythmic patterns. Ensemble skills become more developed as students participate and collaborate with others to create and recreate music. Music literacy and performance skills are emphasized through performing and sight-reading progressively challenging literature. Students investigate connections between music skills and college, career, and workplace skills and investigate current and emerging technology in music. Opportunities are provided for students to participate in local, district, regional, and state events as appropriate to level, ability, and interest.

9245 Introduction to Guitar - 18 weeks

Grade: 7, 8

Prerequisite: None - no previous experience is needed

Description: Beginning Guitar gives students the opportunity to learn via collaboration with peers, to gain responsibility and self-discipline through musical expression in a group activity. This course will include the study of beginning guitar techniques such as basic scales, strumming patterns, arpeggios, use of a pick, and chord progressions.

9255 Introduction to Piano - Full Year

Grade: 7, 8

Prerequisite: Instructor's Permission

Description: Class piano is for beginning piano students at the 7th and 8th grade level who have had little to no previous keyboard experience. Two textbooks are utilized--"The Older Beginner" (method book) and "Musicianship for the Older Beginner" (theory workbook), with additional solo method books.

9270 Chorus Exploratory (9 weeks)

Grade: 7, 8

Prerequisite: none

Description: Students explore and perform music in a variety of music styles. Students develop choral skills, including singing in unison and two-part harmony, with emphasis on vocal production and technique. Opportunities are provided for students to explore choral music as a means of expression and communication.

9270 Buford Semester Chorus (18 weeks)

Grade: 7, 8

Prerequisite: None

Description: The semester Chorus program enables students to obtain musical knowledge and skills in the choral setting. Students explore and perform music in a variety of music styles. Students develop choral skills, including singing in unison and two-part harmony, with emphasis on vocal production and technique. Opportunities are provided for students to explore choral music as a means of expression and communication.

9270 Buford Chorus - Full Year

Grade: 7, 8

Prerequisite: None

Description: The Buford Chorus program is for students who want to focus on advancing their own choral skills. It enables students to obtain musical knowledge and skills in the choral setting. Students develop choral skills, including singing in unison and two-part harmony, with emphasis on vocal production and technique. They explore and perform music in a variety of music styles. In addition, students develop an understanding of acceptable concert etiquette. Opportunities are provided for students to explore choral music as a means of expression and communication. Students are also provided with opportunities to participate in local, district, regional, and state events.

05077 Exploratory Theatre Arts (9 weeks)

Grade: 7, 8

Prerequisite: None

Description: The exploratory Theatre Arts course introduces students to fundamental concepts of theatre and foster theatre literacy. Through experiences involving inquiry, investigation, improvisation, performance, and production, students acquire skills in communicating ideas, thinking critically, and working collaboratively. This course prepares students for further theatrical study and nurtures an engagement with many forms of theatre.

05077 Theatre Arts (18 weeks)

Grade: 7, 8

Prerequisite: None

Description: The semester Theatre Arts course introduces students to fundamental concepts of theatre and foster theatre literacy. Through experiences involving inquiry, investigation, improvisation, performance, and production, students acquire skills in communicating ideas, thinking critically, and working collaboratively. Students develop collaboration skills while increasing their understanding of theatre performance. They focus on complex experiences and expand their understanding of the cultural aspects of theatre. Students apply the creative process while developing their communication and critical-thinking skills.

05077 Buford Theatre Arts - Full Year

Grade: 7, 8

Prerequisite: None

Description: The full-year Theatre program is for students who want to focus on advancing their own Theatre arts skills. Students develop collaboration skills while increasing their understanding of theatre performance. They focus on more complex experiences and expand their understanding of the cultural aspects of theatre. Students continue to refine the creative process while developing their communication and critical-thinking skills. Students conduct character analysis to research, develop, and present a scripted character, explore technical theatre and production concepts, and write critiques. This course prepares students for further theatrical study and exposes students to pathways for theatre-related careers.

Visual and Performing Arts

The visual and performing arts programs offer students the opportunity to participate in a wide variety of courses and activities. The department offers courses for beginners as well as accomplished musicians, actors, and artists. The faculty members promote excellence while encouraging each student to develop to his or her fullest potential as an artist.

Charlottesville High School Course Offerings

Art Courses:

09120 Art I

Credit: 1 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Description: Art I is intended to teach and refine basic art skills and to develop an understanding of art concepts through the creation of two and three dimensional artwork. Students learn to appreciate art while developing an art vocabulary through the study of art history and critiques of class artwork. Mastery of Art I skills is a prerequisite for all other art courses.

09130 Art II

Credit: 1 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: Art I

Description: Using a thematic approach, students work on a variety of two- and three-dimensional projects, and further develop their knowledge of art history and the conceptual basis of their art production. Outside of class, students maintain a sketchbook of homework drawing assignments. In this course, students produce a portfolio of work, which is presented for placement in the Studio Art course the following year.

05169 Digital Art/Illustration I

Credit: 1 Fine Arts Credit

Grade: 10, 11, 12

Prerequisite: Art I

Description: This course would introduce students to authentic experiences in creating original artwork using computers and digital media. Topics would include the design and production of digital imagery, product design, graphics and photography, art history, animation, and video. Students would use creative software, such as Adobe Photoshop, Adobe Illustrator, InDesign, Adobe Draw, and Adobe Sketch to explore techniques, genres, and styles relating to digital illustration, graphic arts, commercial advertising, and the fine arts.

Digital Art and Illustration II

Credit: 1 Fine Arts Credit

Grade 11,12

Prerequisite: Digital Art I

Description: This course is a continuation of Digital Art and Illustration I. The course will continue to introduce students to authentic experiences in creating original artwork using technology. Students will explore the impact of technologies on visual arts processes and works, and be challenged to continue to adapt and develop problem-solving skills. This course differs from Digital Art I by including the use of computers as a form of art-making. Students will use creative software, such as Adobe Photoshop and Adobe Illustrator to explore digital illustration techniques, graphic arts, animation, commercial advertising, and the fine arts. Art I and Digital Art I should be taken as a prerequisite to allow students to learn about art fundamentals and basic digital art programs that would be applied in this course. Ultimately, students will cultivate

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connections between art skills, content, and processes that lead to college opportunities and career options in the 21st Century workplace.

9140H Studio Art Honors

Credit: 1 Fine Arts Credit

Grade: 11, 12

Prerequisite: Art II; Art Teacher Recommendation

Description: This is a course for the advanced art student who has mastered basic skills, vocabulary and concepts of art.

Working in a studio setting and using a thematic approach, students further develop their ability to work independently in art.

In addition to art production, students study art criticism, art history, and aesthetics.

09148 AP Portfolio Studio Art

Credit: 1 Fine Arts Credit

Grade: 11, 12

Prerequisite: Art teacher recommendation

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is equivalent to a college-level drawing, sculpture or design course. There are three different AP

Studio Art courses: (1) Studio Art – Drawing; (2) Studio Art – Two-dimensional Design; and (3) Studio Art –

Three-dimensional Design and Sculpture, all designed for students who are seriously interested in the practical experience of art. Portfolios are prepared and submitted according to the specifications detailed on the College Board website.

Theatre Courses:

01410 Introduction to Theatre

Credit: 1 Fine Arts Credit
Grade: 9, 10, 11, 12
Prerequisite: None

Description: This course introduces the student to all aspects of theatre arts. Students will receive hands-on training in the art of theatre through various projects, including pantomime, improvisation, radio shows, character voice, vocal presentation, design, scene-work, one-act plays, movement for the stage, acting concepts, stage make-up and special effects. Successful completion of Introduction to Theatre serves as prerequisite for C'ville Players, Musical Theatre Ensemble, and Technical Theatre.

01426 Charlottesville Players I

Credit: 1 Fine Arts Credit
Grade: 10, 11
Prerequisite: Introduction to Theatre

Description: This performance-based class offers students the opportunity to explore a variety of acting styles and techniques. Performances for various projects will be held both on campus and off, including children's theatre, puppetry, acting for the camera, improvisation, acting for Shakespeare, dialects, stage combat, acting methods, scene work, and one-act plays. Students will learn theater history as well as read "canonical" theater literature.

01440 Charlottesville Players II

Credit: 1 Fine Arts Credit
Grade: 10, 11, 12
Prerequisite: Charlottesville Players I

Description: This advanced level course is designed to offer the theatre student an advanced study in theatrical directing, film studies, cinematography, basic and advanced video editing, camera work, and acting styles for the camera. Through a series of small group and individual projects students learn the techniques used in producing film. Charlottesville Players students also perform for area schools and in the greater Charlottesville community.

1441H Charlottesville Players III - Honors

Credit: 1 Fine Arts Credit
Grade: 12
Prerequisite: Charlottesville Players I and II

Description: This performance-based class offers students the opportunity to explore a variety of acting styles and techniques. Performances for various projects will be held both on campus and off, including children's theatre, puppetry, acting for the camera, improvisation, acting for Shakespeare, dialects, stage combat, acting methods, scene work, and one-act plays. Students will learn theater history as well as read "canonical" theater literature.

01435 Technical Theatre

Credit: 1 Fine Arts Credit
Grade: 10, 11, 12
Prerequisite: Introduction to Theatre or approval of instructor

Description: This course is designed to give the student hands-on training in all aspects of technical theatre. From stagecraft to costume design, students will learn the skills it takes to create professional quality productions. Projects include: costume design, sound design, make-up, scenery construction, scene painting, lighting design, and stage management.

01436 Technical Theatre II

Credit: 1 Fine Arts Credit
Grade: 11, 12
Prerequisite: Technical Theatre I

Description: This course allows students to continue their study in stagecraft and design.

1423H Technical Theatre III Honors

Credit: 1 Fine Arts Credit

Grade: 12

Prerequisite: Technical Theatre II

Description: This advanced level course allows students to hone their skills as a stage technician, and develop leadership roles within the design team on mainstage shows.

1450 Musical Theatre Ensemble

Credit: 1 Fine Arts Credit

Grade: 10, 11, 12

Prerequisite: Introduction to Theatre and Audition

Description: This performance-based class offers students the opportunity to explore a variety of acting styles and techniques. Performances for various projects will be held both on campus and off, including children's theatre, puppetry, acting for the camera, improvisation, acting for Shakespeare, dialects, stage combat, acting methods, scene work, and one-act plays. Students will learn theater history as well as read "canonical" theater literature.

Music Courses:

9225 Music Theory

Credit: 1 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: Concurrent enrollment in Band, Orchestra, or Chorus

Description: The course will cover the reasons and show how the principles of music theory are applied to music itself. The background for the study of harmony, or any other branch of music will be supplied. Elementary harmony will be covered.

9233 Symphonic Band

Credit: 1 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: Audition

Description: This course involves the exploration of wind band literature and is open to all instrumental students. Members will be instructed on technique, tone quality, balance and blend, and concepts as outlined in the National Standards for Music Education. This is a performance based class and extra rehearsals are expected; performances are mandatory.

9234P Percussion Ensemble

Credit: 1 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: Marching Knights member

Description: This course is designed to expose the percussionists of the CHS Bands to a variety of musical styles and ensembles. Students will have many opportunities for performances including percussion ensemble concerts and community events. Students will participate in a CHS concert band.

9234H Wind Ensemble Honors

Credit: 1 Fine Arts Credit

Grade: 10, 11, 12

Prerequisite: Audition

Description: Enrollment in Wind Ensemble is by audition only; the ensemble is composed of the most advanced wind players at CHS. This is a performance-based class and extra rehearsals and/or sectionals are expected; Performances are mandatory. Consistent practice is required, private lessons are encouraged and participation in the District and State auditions is expected.

9296 Marching Knights

Credit: 0.5 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: Audition

Description: The Marching Knights is a performing group which appears at home football games, various parades, field contests, and festivals. All members must attend band camp approximately 2 weeks prior to the start of school; rehearsal days/times are to be determined. Students who do not play marching instruments are encouraged but not required to be in Marching Knights (i.e. bassoon oboe, harp, string bass).

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9297 Jazz Ensemble

Credit: 0.5 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: Audition

Description: Jazz Ensemble is a performing group as well as an instructional class. Enrollment is open to band members who qualify by audition. The group meets during the early morning period beginning in late fall.

09285 Concert Choir

Credit: 1 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Description: The focus of this SATB class is to develop and refine basic and intermediate choral music skills and performance etiquette. This ensemble does not travel.

9285E Concert Choir EM (Early Morning)

Credit: 0.5 or 1 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: Audition with the Director

Description: This SATB ensemble performs a repertoire of primarily jazz and popular music. The concert choir travels and gives a substantial number of community performances throughout the year in addition to concerts at Charlottesville High School. Full credit option meets every morning; half credit option meets on alternating mornings.

9289H Charlottesville Singers Honors

Credit: 1 Fine Arts Credit

Grade: 9*, 10, 11, 12

Prerequisite: Audition with the Director

Description: The repertoire of this audition only ensemble ranges from easier popular music to choral masterpieces. This ensemble travels and gives a substantial number of the community performances throughout the year in addition to concerts at Charlottesville High School. *Ninth graders may only take this class with the recommendation of their middle school choir director and a successful audition with the director.

9280 Knightengales

Credit: 1 Fine Arts Credit

Grade: 9*, 10, 11, 12

Prerequisite: Audition with the Director

Description: This is an all-female, SSAA choir. Repertoire in this all female, auditioned SSAA choir covers traditional female choral music in the fall semester and popular/show tunes with choreography in the spring semester. This is an ensemble which travels and gives a substantial number of community performances throughout the year in addition to concerts at Charlottesville High School. *Ninth graders may only take this class with the recommendation of their middle school choir director and a successful audition with the director.

09238 Concert Orchestra

Credit: 1 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: Two years of playing experience

Description: The Concert Orchestra is composed of all ninth-grade string students, and upper-class students who either chose not to audition, or were not selected for String Ensemble. The Concert Orchestra rehearses and performs string music of moderate to difficult levels, and several concerts are performed during the school year as part of this course. Technical and musical concepts such as tone quality, phrasing, articulation, balance and blend will be taught, as outlined in the National Standards for Music Education.

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9239H String Ensemble Honors

Credit: 1 Fine Arts Credit

Grade: 10, 11, 12

Prerequisite: Audition

Description: The String Ensemble is composed of the most advanced tenth-, eleventh-, and twelfth-grade string players, selected by audition in the spring of the preceding year and performs string and full orchestra music of difficult to professional level. Many concerts and outside performances are scheduled during the school year as part of this course. Consistent practice is required; private lessons and participation in Regional and All-State auditions are encouraged.

09255 Class Piano

Credit: 1 Fine Arts Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Enrollment: Limited to 10 students per class

Description: Class Piano is for students with elementary piano skills. Beginning music theory is incorporated into daily lessons.

World Language

World Language courses are electives for students who wish to expand their horizons by learning another language. To meet the requirements of the Advanced Studies Diploma, students need to complete three years of one World Language or two years each of two World Languages. World Language is an entrance requirement for many colleges and universities. Students should consult with World Language teachers in planning their World Language program.

Buford Middle School Course Offerings

5110H French I Honors

Credit: 1 High School Credit

Grade: 7, 8

Prerequisite: Students should have a C or higher in Language Arts 6 or Language Arts 7

Description: This rigorous course is a high school credit course introducing the French language and culture. Emphasis is placed on listening comprehension, speaking skills, reading comprehension, and effective written communication at the beginning level.

5120H French II Honors

Credit: 1 High School Credit

Grade: 8

Prerequisite: High level of achievement in French I-Honors

Description: This course is taught almost entirely in French. Students will focus on interpersonal speaking, reading, and writing skills, and deepen their understanding of French and francophone culture.

5310H Latin I Honors

Credit: 1 High School Credit

Grade: 7, 8

Prerequisite: Students should have a C or higher in Language Arts 6 or Language Arts 7

Description: This rigorous course is an introduction to the Latin language and Roman culture. By reading about the lives of a Roman family, the students will begin to learn the Latin language, and study the culture, literature, and geography of Roman civilization. Students will cement English grammar concepts through the study of Latin grammar. Students will increase their English vocabulary through the study of English derivations of Latin words.

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5320H Latin II Honors

Credit: 1 High School Credit

Grade: 8

Prerequisite: High level of achievement in Latin I-Honors

Description: In this rigorous course, students continue to broaden their understanding of the Latin language through reading about the everyday lives of a Roman family. There is a continued emphasis on reading comprehension, vocabulary, grammar, culture, and geography. Students continue to add to their knowledge of English by learning English derivations of Latin words, and comparing grammar concepts.

5513H Spanish I, Part I Honors

Credit: 0.5 High School Credit

Grade: 7

Prerequisite: Intermediate Spanish and/or teacher recommendation

Description: This course is part I of an introductory high school credit course in the Spanish language and culture. Emphasis is placed on listening comprehension, speaking skills, reading comprehension, and effective written communication at the beginning level.

5513H Spanish I, Part II Honors

Credit: 0.5 High School Credit

Grade: 8

Prerequisite: Spanish I Part I and teacher recommendation

Description: This course is part II of an introductory high school credit course in the Spanish language and culture. Emphasis is placed on listening comprehension, speaking skills, reading comprehension, and effective written communication at the beginning level.

5520A Spanish II, Part I Honors

Credit: 0.5 High School Credit

Grade: 7

Prerequisite: Completion of Spanish I and teacher recommendation

Description: This course is taught predominantly in Spanish with limited English instruction. Focus is on the continued development of vocabulary and listening skills, as well as discussion, reading and writing proficiency. The study of the history of the Hispanic world and literature is included in the target language.

Charlottesville High School Course Offerings

1447F Survey of Foreign Films (Fall)

Credit: 0.5 Elective Credit

Grade: 11, 12

Prerequisite: none

Description: This course is designed to enhance the foreign language curriculum, to collaborate with, and to complement other departments at CHS. Film study is an interesting and appealing medium to most teens and provides a method for relaying customs, philosophies, and content. With the global student in mind, our goal is to heighten cultural awareness and develop an appreciation for the contributions made by other cultures while reinforcing history, art, literature, and other disciplines.

1447S Survey of Foreign Films (Spring)

Credit: 0.5 Elective Credit

Grade: 11, 12

Prerequisite: none

Description: This course is designed to enhance the foreign language curriculum, to collaborate with, and to complement other departments at CHS. Film study is an interesting and appealing medium to most teens and provides a method for relaying customs, philosophies, and content. With the global student in mind, our goal is to heighten cultural awareness and develop an appreciation for the contributions made by other cultures while reinforcing history, art, literature, and other disciplines.

5810 Chinese: Mandarin I - Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: Must pass English 8 class with a C or higher or pass English 8 Reading/Writing SOL

Assessments: Final Exam (teacher created)

Description: A beginner course in Mandarin Chinese language, students will begin acquisition of Chinese vocabulary and grammar. They will practice core language skills of reading, writing, and speaking. Emphasis will be on learning to read and write essential characters.

5820 H Chinese: Mandarin II Honors

Credit: 1 World Language Credit

Grade: 10, 11, 12

Prerequisite: Chinese: Mandarin I or Chinese: Mandarin I Honors

Assessments: Final Exam (teacher created)

Description: This course will cover the same material as Chinese: Mandarin II. Students may choose to earn honors-level credit by completing supplemental work, adding thoroughness and rigor to the curriculum content, and requiring stronger control of the core language skills.

05830 Chinese: Mandarin III Honors

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Chinese: Mandarin II or Chinese: Mandarin II Honors

Assessments: Final Exam (teacher created)

Description: In this advanced-intermediate Chinese language class students will continue their study of vocabulary and grammar, with more opportunity to put their growing knowledge base to work in practical ways: reading, writing, listening, and speaking. Cultural exploration will also be a key component of this course.

5830H Chinese: Mandarin III Honors

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Chinese: Mandarin II or Chinese: Mandarin II Honors

Assessments: Final Exam (teacher created)

Description: In this advanced-intermediate Chinese language class students will continue their study of vocabulary and grammar, with more opportunity to put their growing knowledge base to work in practical ways: reading, writing, listening, and speaking. Cultural exploration will also be a key component of this course. Students will begin pre-AP preparation.

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5860 AP Chinese Language and Culture

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of Chinese Mandarin III Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: A follow-up course to the Chinese: Mandarin III-Honors class. The AP Chinese Language and Literature course is roughly equivalent to a 4th semester college course. The course and exam incorporates Chinese cultural information within the teaching of reading, writing, speaking, and listening to the language.

5110U French I Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: Must pass English 8 class with a C or higher or pass English 8 Reading/Writing SOL

Assessments: Final Exam (teacher created)

Description: This is an introductory course to the French language and its culture. Emphasis is placed on listening comprehension, speaking skills, reading comprehension, and effective written communication at the beginning level.

5120H French II Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: High level of achievement in French I-Honors or French I

Assessments: Final Exam (teacher created)

Description: This course is taught entirely in French. Authentic reading and listening materials from the Francophone world serve as models for building idiomatic vocabulary usage. Students will focus on interpersonal speaking and writing skills.

05130 French III

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: Completion of French II-Honors or French II

Assessments: Final Exam (teacher created)

Description: This course is conducted entirely in French. Focus is on the continued development of vocabulary and listening skills, as well as discussion, reading, and writing proficiency. The cultures of various French-speaking countries are an integral part of language study.

5130H French III Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: High level of achievement in French II-Honors or French II

Assessments: Final Exam (teacher created)

Description: The focus of this course is on the continued acquisition of vocabulary and listening skills as well as discussion, reading, and writing proficiency. The cultures of the various French-speaking countries are an integral part of the language study. Students must demonstrate their ability to integrate these skills when studying Le Petit Prince near the end of the year.

5141H French IV Honors

Credit: 1 World Language Credit

Grade: 10, 11, 12

Prerequisite: High level of achievement in French III-Honors or French III

Assessments: Final Exam (teacher created)

Description: This course is designed for the very serious French language student and focuses on the refinement of reading, writing, grammar usage, and conversation proficiency. We begin focusing more on the six AP themes and do more Internet research. This course prepares students for AP French Language and Culture as well as offering an opportunity to begin studying on a college level.

05150 AP French Language

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of French IV Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly proficient French language student who wishes to experience college-level work while still in high school. Students must be prepared to work independently doing internet research and activities tied to the six themes of the AP exam. They will hone their interpersonal and presentational speaking and writing skills as well as reading and listening comprehension.

5210U German I Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: Must pass English 8 class with a C or higher or pass English 8 Reading/Writing SOL

Assessments: Final Exam (teacher created)

Description: This is an introductory course to the German language and its culture. Emphasis is placed on listening comprehension, speaking skills, reading comprehension, and effective written communication at the beginning level.

5220H German II Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: High level of achievement in German I-Honors or German I

Assessments: Final Exam (teacher created)

Description: This course is taught primarily in German. An emphasis on building idiomatic vocabulary and grammar skills enables students to speak, read, and write more proficiently. Paragraphs and simple composition construction are essential components.

05230 German III

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: Completion of German II-Honors or German II

Assessments: Final Exam (teacher created)

Description: This course is taught primarily in German. Focus is on the continued development of vocabulary and listening skills, as well as discussion, reading, and writing proficiency.

5230H German III Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: High level of achievement in German II-Honors or German II

Assessments: Final Exam (teacher created)

Description: This course is taught primarily in German. The class is based on authentic conversation practice and draws heavily upon the textbooks and secondary literature as resources for instruction. There is a term paper composition during the second semester focusing on a piece of German literature from the 19th century or beyond.

5240H German IV Honors

Credit: 1 World Language Credit

Grade: 10, 11, 12

Prerequisite: High level of achievement in German III-Honors or German III

Assessments: Final Exam (teacher created)

Description: This class is taught primarily in German. The class draws heavily upon Germany in a historical context (post WWII). Students write weekly timed compositions of an increasingly narrow scope, concentrating on their prior knowledge of the DDR (Eastern Germany) and modern German literature and language. Grammar essentials, composition and conversation form the backbone of the course.

24264 AP German Language and Culture

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of German III Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly proficient German language student who wishes to experience college-level work while still in high school. The AP German Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness.

5310U Latin I - Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: Must pass English 8 class with a C or higher or pass English 8 Reading/Writing SOL

Assessments: Final Exam (teacher created)

Description: This is an introductory course to the Latin language and culture. Through reading about the lives of the Corneli family, the students learn reading comprehension, vocabulary, grammar, culture, geography and through the sections on word study, the students will increase their English vocabulary skills. To gain honors credit, students must complete the honors option requirements.

5320 H Latin II Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: High level of achievement in Latin I-Honors or Latin I

Assessments: Final Exam (teacher created)

Description: This course will cover the same material as Latin II. Students may choose to earn honors-level credit by completing supplemental work, adding thoroughness and rigor to the curriculum content, and requiring stronger control of vocabulary and grammar.

5330 Latin III

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: Completion of French II-Honors or French II

Assessments: Final Exam (teacher created)

Description: This course focuses on the continued development of vocabulary and translating skills, as well as discussion and reading proficiency. Both the Latin stories and the English background material supply the student with factual information

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about features of Roman life. Students are introduced to various Roman authors (e.g. Martial, Phaedrus, Catullus, Horace, Ovid, and Vergil).

5330H Latin III Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: High level of achievement in French II-Honors or French II

Assessments: Final Exam (teacher created)

Description: This course will cover the same material as Latin III. Students may choose to earn honors-level credit by completing supplemental work, adding thoroughness and rigor to the curriculum content, and requiring stronger control of vocabulary and grammar skills.

5340H Latin IV Honors

Credit: 1 World Language Credit

Grade: 10, 11, 12

Prerequisite: High level of achievement in French III-Honors or French III

Assessments: Final Exam (teacher created)

Description: This class is designed for the serious Latin student and focuses on the mastery of grammar, syntax, vocabulary, and reading comprehension. This course concentrates on reading and analyzing passages of increasing difficulty from the works of Caesar and Vergil.

5370 AP Latin

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of Latin IV Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly proficient Latin student who wishes to experience college-level work while still in high school. Required syllabus of readings include both poetry and prose; Latin readings are from Vergil's Aeneid and Caesar's Gallic Wars.

5510U Spanish I Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: Must pass English 8 class with a C or higher or pass English 8 Reading/Writing SOL

Assessments: Final Exam (teacher created)

Description: This is an introductory course to the Spanish language and its culture. Emphasis is placed on listening comprehension, speaking skills, reading comprehension, and effective written communication at the beginning level.

5520 H Spanish II Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: High level of achievement in Spanish I-Honors or Spanish I

Assessments: Final Exam (teacher created)

Description: This course is taught primarily in Spanish. An emphasis on building idiomatic vocabulary and grammar skills enables students to speak, read, and write more proficiently.

05530 Spanish III

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: Completion of Spanish II-Honors or Spanish II

Assessments: Final Exam (teacher created)

Description: This course is taught primarily in Spanish. Focus is on the continued development of vocabulary and listening skills, as well as discussion, reading, and writing proficiency. An introduction to the study of the history of the Hispanic world and literature is included

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5530H Spanish III Honors

Credit: 1 World Language Credit

Grade: 9, 10, 11, 12

Prerequisite: High level of achievement in Spanish II-Honors or Spanish II

Assessments: Final Exam (teacher created)

Description: This course is taught primarily in Spanish. This course is designed for students who intend to continue with Spanish IV-H and V-AP. Focus is on the continued development of vocabulary, listening skills, as well as discussion, reading, and writing proficiency.

5540 Spanish IV

Credit: 1 World Language Credit

Grade: 10, 11, 12

Prerequisite: High level of achievement in Spanish III-Honors or Spanish III

Assessments: Final Exam (teacher created)

Description: This course is taught primarily in Spanish. Students will be engaged in an in-depth study of the cultures of the Hispanic world, which will drive the thematic units of this course. Students will also work on intermediate communication skills, with a focus on speaking and writing.

5540H Spanish IV Honors

Credit: 1 World Language Credit

Grade: 10, 11, 12

Prerequisite: High level of achievement in Spanish III-Honors or Spanish III

Assessments: Final Exam (teacher created)

Description: This course is conducted entirely in Spanish. It is designed for the very serious Spanish language student and focuses on the refinement of reading, writing, grammar usage, and conversation proficiency. Students will study a variety of topics, including contemporary issues.

05570 AP Spanish Language

Credit: 1 World Language Credit

Grade: 11, 12

Prerequisite: Completion of Spanish IV Honors

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This course is designed to challenge the highly proficient Spanish language student who wishes to experience college-level work while still in high school. Students refine their proficiency in written and oral expression of ideas. In addition to speaking and writing essays, reading poetry, short stories, plays, and newspaper and magazine articles, this course focuses primarily on Latin American literature and culture, with some study of important contemporary Hispanic authors.

Spanish for Fluent Speakers I

Credit: 1 Foreign Language

Grade: 9-12

Prerequisite: First/Native language is Spanish

Assessments: Final exam (teacher created)

Description: This course is designed for fluent speakers of Spanish and provides an opportunity to strengthen skills in their native language. It focuses on communicative competence in reading, writing, listening, and speaking. Students will study Hispanic culture and issues around the identity of native speakers of Spanish in the United States. Students will develop a deeper awareness and understanding of Hispanic cultures, customs, language variations, geography, history, and current events.

00001 Virtual American Sign Language

Credit: 1 World Language

Grade: 9-12

Prerequisite: None

Assessments: Exam

Description: ASL I is an online introduction to American Sign Language and the hearing-impaired community. Students will learn basic vocabulary, grammar, sentence structure, and cultural foundations of ASL. Students will begin to learn to express themselves through signing by using: concrete ideas, fingerspelling and grammar. Using age appropriate activities, students develop the ability to perform the tasks of the novice language learner. CHS's ASL class is offered online.

Career and Technical Education

Career and Technical Education provides sequences of career-related courses designed to help students develop skills needed for entry-level employment, advanced technical training programs, and continuing education on the college and university level. Elective courses help students develop twenty-first century job skills, such as, proficiency in computer technology, information acquisition and processing, problem solving, teamwork, and effective communication skills. Career and Technical Education courses are designed to enhance and support the academic curriculum - reinforcing the Standards of Learning established for English, mathematics, science, history and social science.

Charlottesville High School Course Offerings

Photography Courses:

Photography Program Completer Sequence:

- Commercial Photography I
- Commercial Photography II-Part I
- HONORS Commercial Photography II-Part II

8607 Commercial Photography I

Credit: 1 CTE Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Assessments: CTE Credential - Workplace Readiness Skills Assessment

Description: The ability to apply principles of visual literacy to produce visual content gives students an advantage in today's global, multimedia society. Students will be taught industry-relevant technical skills and have the opportunity to work with a variety of technology, including digital cameras, design software, and editing tools to stage, shoot, process, print, and present professional-grade images. In addition, students will evaluate and critique photographic work and investigate the history of photography, including (optionally) the fundamentals of film and darkroom development.

8608H Honors Commercial Photography II

Credit: 2 CTE Credits

Grade: 10, 11, 12

Prerequisite: Commercial Photography I

Assessments: CTE Credential - Skills USA Commercial Photography certification

Notes: To meet CTE seat time requirements, this course requires the face-to-face class in addition to a virtual component to complete field work.

Description: The ability to apply principles of visual literacy to produce visual content gives students an advantage in today's global, multimedia society. In this second year of Commercial Photography, students continue to learn industry-relevant technical skills. Students have the opportunity to work with a variety of technology, including digital cameras, external flashes, studio strobes, design software, and editing tools to stage, shoot, process, print, and present professional-grade images. Students will develop a portfolio for a related career. In addition, students will explore the fundamentals of film and darkroom development. A large part of the curriculum is individualized for each student, focusing on the student's main area of interest in photography. In addition to having an area of focus throughout the year, students will have challenge projects to learn new things and push the limits of their comfort zone with subject matter and technique. Students will also be expected to participate in an enrichment experience throughout the school year, which can include, but is not limited to: professional photographer interning or shadowing, attending local camera club meetings, and participating in local photography organization events.

8455 Commercial Photography Capstone

Credit: 1 CTE Credit

Grade: 12

Prerequisite: Commercial Photography I, Commercial Photography II - Part I, Commercial Photography II -

Assessments: CTE Credential - Workplace Readiness Skills Assessment

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Description: This class is an extension of the Commercial Photography sequence. Student's will have the opportunity to refine their skills shooting, processing, and printing images in addition to gaining more experience with photographic software and studio lighting. Student's will present professional-grade images in a portfolio for a related career and on a website. In addition, students will continue to explore film and darkroom development. This course is a project based class and requires shooting assignments outside of class. All students are required to participate in a job shadow/interning experience.

Family and Consumer Science Courses

08229 Nutrition and Wellness

Credit: 1 CTE Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Assessments: CTE Credential - Workplace Readiness Skills Assessment

Description: Nutrition and Wellness is a food introductory class. Nutrition and Fitness are major components of the class. Labs are required activities along with other projects that are used to enhance the understanding of cooking and food production. Student participation in FCCLA (Family, Career and Community Leaders of America) is encouraged.

8250 Intro to Culinary Arts

Credit: 1 CTE Credit

Grade: 10, 11, 12

Prerequisite: Completion of Nutrition and Wellness with a C or better

Assessments: CTE Credential - Workplace Readiness Skills Assessment

Description: Units of study include food science and technology, dietetics and nutrition services, diverse cuisines and service styles, current trends, food and beverage production and preparation, and food safety and sanitation. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

9097 Leadership Development - Honors

Credit: 1 CTE Credit & *No CTE Credit at LMA for Social Emotional Learning*

Grade: 9,10,11,12

Prerequisite: None

Assessments: CTE Credential - Workplace Readiness Skills Assessment

Description: Students develop competencies in identifying individual aptitudes in relation to effective leadership skills, understanding organizational behavior, using effective communication in the workplace, handling human resources and organizational problems, supervising and training employees, resolving conflict, and planning for the future. Continuing education in leadership is emphasized as well as practice leadership experiences in cooperation with school and community leaders

19257 Leaders for Tomorrow - Honors

Credit: 1 CTE Credit & *No CTE Credit at LMA for Social Emotional Learning*

Grade: 9,10,11,12

Prerequisite: None

Assessments: CTE Credential - Workplace Readiness Skills Assessment

Description: Students develop skills in identifying individual aptitudes in relation to effective leadership skills, using effective communication in the workplace, applying problem solving processes and resolving conflict, developing career and community connections, and planning for the future. Students will identify wellness goals, strategies to manage stress and characteristics of a healthy lifestyle. Students will explore responsible citizenship and identify social, economic, legal and ethical issues affecting individuals and community well-being. Students will have practical leadership experiences in cooperation with school and community leaders in completing a service learning project.

9062 DE Teachers For Tomorrow I

Credit: 1 CTE Credit; 3 Dual Enrollment Credits

Grade: 10, 11, 12

Prerequisite: None

Assessments: CTE Credential - Workplace Readiness Skills Assessment

Description: Virginia Teachers for Tomorrow (VTfT) fosters student interest, understanding, and appreciation of the teaching profession and allows secondary students to explore careers in education. Students build a foundation for teaching; learn the history, structure and governance of teaching; apply professional teaching techniques in the VTfT classroom and field experience; and reflect on their teaching experiences. Additional educational leadership opportunities are offered through the student organization, Rising STARS.

9072 DE Teachers For Tomorrow II
Credit: 1 CTE Credit; 3 Dual Enrollment Credits
Grade: 11, 12
Prerequisite: 9062
Assessments: CTE Credential - Workplace Readiness Skills Assessment

Description: Virginia Teachers for Tomorrow II (VTfT) fosters student interest, understanding, and appreciation of the teaching profession and allows secondary students to explore careers in education. Students continue to explore careers in the Education and Training Career Cluster and pathways. This course provides the opportunity for students to prepare for careers in education as they research postsecondary options, learn about the process of teacher certification in Virginia, and participate in a practical experience.

Entrepreneurship and Marketing Education

Entrepreneurship and Marketing Completer Sequence Options:

Option 1 - Fashion Marketing AND choose 1 of the courses below:

- Urban Farming
- Innovation and Entrepreneurship
- Digital Marketing

** (not Sports Marketing)

Option 2 - Sports and Entertainment Marketing AND choose 1 of the courses below:

- Urban Farming
- Innovation and Entrepreneurship
- Digital Marketing

** (not Fashion Marketing)

Option 3 - Choose any 2 of the courses below:

- Digital Marketing
- Urban Farming
- Innovation and Entrepreneurship

8040 SEA I

Credit: 0.5 Elective Credit per Semester
Grade: 9, 10, 11, 12 (Must be 16 years of age)
Prerequisite: Accepted application

Description: Student Employment Assistance (SEA) is a supervised work experience program which encourages students to become responsible, successful, career-minded individuals. Students receive support from a Job Coach to obtain and maintain competitive employment by demonstrating appropriate work behaviors and receiving satisfactory employer performance ratings. A minimum of 135 hours of supervised competitive employment is required.

The course credit is awarded on a Pass/Fail basis and does not weigh into the student's grade point average.

8045 SEA II

Credit: 1 Elective Credit per Semester
Grade: 9, 10, 11, 12 (Must be 16 years of age)
Prerequisite: Accepted application

Description: Student Employment Assistance (SEA) is a supervised work experience program which encourages students to become responsible, successful, career-minded individuals. Students receive support from a Job Coach to obtain and maintain competitive employment by demonstrating appropriate work behaviors and receiving satisfactory employer performance ratings. A minimum of 270 hours of supervised competitive employment is required.

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The course credit is awarded on a Pass/Fail basis and does not weigh into the student's grade point average.

8140 Fashion Marketing

8140V Fashion Marketing Virtual

Credit: 1 CTE Credit

Grade: 10, 11, 12

Prerequisite: None

Certifications: National Retail Federation Certification in Customer Service

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: Students who are interested in the business and marketing of fashion will study the history of fashion, color psychology, fashion cycles, trends vs. fads, branding, visual merchandising and advertising. Students will use simulations to develop their critical thinking skills while managing a virtual retail store.

08175 Sports and Entertainment Marketing

Credit: 1 CTE Credit

Grade: 10, 11, 12

Prerequisite: None

Certifications: Workplace Readiness Skills Assessment

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: Students who are interested in the business side of sports and entertainment will investigate the components of branding, stadium/venue design, sponsorships, endorsements and promotions. Students will use simulations to develop their critical thinking skills while managing a virtual sports franchise.

9078 Education for Employment Level I

Credit: 1 CTE Elective Credit & *No CTE Credit at LMA for Social Emotional Learning*

Grade: 9, 10, 11, (Must be 16 years of age)

Prerequisite: None

Description: This course teaches students to make informed career and continuing education choices as they transition from school, gain technical skills, and adapt to the workplace. Students are taught ethical behaviors and career-research, job acquisition, workplace-communication, self-awareness, self-advocacy, customer-service, and life skills.

9080 Education for Employment Level II

Credit: 1 CTE Elective Credit & *No CTE Credit at LMA for Social Emotional Learning*

Grade: 10, 11, 12 (Must be 16 years of age)

Prerequisite: Education for Employment Level I

Description: This course continues to teach students to make informed career and continuing education choices as they transition from school, gain technical skills, and adapt to the workplace. Students are taught to apply ethical behaviors and career-research, job acquisition, workplace-communication, self-awareness, self-advocacy, customer-service, and life skills.

9093 Urban Farming

Credit: 1 CTE Credit

Grade: 10, 11, 12

Prerequisite: None

Certifications: Workplace Readiness Skills Assessment

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: An introduction to the fundamentals of urban farming with a focus on farm to table agriculture and the marketing skills required to sell what is grown. Students will take advantage of resources available in the school's Sigma Lab, greenhouse, and school garden. Key elements of instruction include workplace readiness skills, marketing and business skills, safety procedures, protective equipment and tools, research of green industry trends, development of project designs, and

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plans, creation and maintenance of landscaping, carpentry and construction projects, investigation of sustainable living strategies, and preparation for career opportunities in the industry.

9094 Innovation and Entrepreneurship

Credit: 1 CTE Credit

Grade: 10, 11, 12

Prerequisite: Urban Farming

Certifications: Workplace Readiness Skills Assessment

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: This course is designed for students who wish to concentrate on advanced strategies for entrepreneurship, building upon concepts introduced in Entrepreneurship (9093). The focus of the course is on development of a business plan and small business management.

8125_CTE Digital Marketing

8125V Digital Marketing Virtual

Credit: 1 CTE Credit

Grade: 11, 12

Prerequisite: none

Certifications: National Retail Federation Certification in Customer Service

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: This course is for students who aspire to work within or create a business that can operate on the Internet. Students gain knowledge of e-tailing, global business, marketing research, advertising, e-commerce, and website design. Students will use simulations to develop their critical thinking skills while managing a virtual retail store.

8120CO Work-Based Learning: Marketing Co-op

Credit: 1 CTE Credit

Grade: 11, 12

Co-requisite: Must be currently enrolled in a Marketing Course or Economics and Personal Finance

Description: Students in the Co-op Work Release Program earn 1 credit for their supervised retail job experience. Students enrolled in this course are required to have a job, retain the job for the entire school year, and work approximately 10-15 hours per week.

9074 Honors Option Junior/Senior Internship Program - half credit

9071 Honors Option Junior/Senior Internship Program - full credit

Credit: 0.5 CTE Credit (9074 - 2 hours per week for 36 weeks)

1 CTE Credit (9071 - 4 hours per week for 36 weeks)

Grade: 12

Prerequisite: None

Description: This program is designed to support a student's long-range education and career goals and provides the opportunity to experience "first-hand" a particular career or career field by interning with professionals in the community. Students enhance their academic, technical and workplace readiness skills as well as become more informed about certain career field expectations and requirements before entering college and/or the workforce.

Economics and Personal Finance

All students are required to earn 1 credit in Economics and Personal Finance for graduation.

6120U Economics And Personal Finance Honors

6120V Economics And Personal Finance Honors - Virtual

6120EM Economics And Personal Finance Honors - Early Morning

Credit: 1 CTE Credit

Grade: 11, 12

Prerequisite: None

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Certification: W!SE Financial Literacy Certification

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: Students will learn how to make financial decisions related to budgeting, banking, credit, insurance, spending, taxes, investing, buying/renting a home and vehicle. The course also develops an understanding of basic economic structures and the global economy and uses simulations to practice navigating the financial decisions of a virtual life.

C3120 Personal Living and Finance

Credit: 1 CTE Credit

Grade: 11, 12

Prerequisite: None

Certification: Workplace Readiness Skills Assessment

Note: **This course combined with 3 History/Social Studies credits counts for the Personal Finance and Economics graduation requirement for students with an IEP or 504.** (see Superintendent's memo [here](#)).

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: Students learn how to navigate the financial decisions they must face and to make informed decisions related to budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, and inheritance. Instruction in personal finance prepares students to function effectively as consumers, savers, investors, entrepreneurs, and active citizens. The course incorporates all personal living and finances objectives included in the Code of Virginia §22.1-253.13:1.B.

6121_HC Finance - Virtual

Credit: 1 CTE Credit

Grade: 11, 12

Prerequisite: Must be enrolled in or have previously passed AP Microeconomics and /or AP Macro Economics

Note: **This course along with either AP Microeconomics or AP Macro Economics satisfies the Economics and**

Personal Finance requirement for graduation for student.

Certification: W!SE Financial Literacy Certification

Note: Students enrolled in this course who have a job and work approx. 10-15 hours per week, can earn an additional 1 credit for their supervised work experience through the Work Based Learning: Marketing Co-op Program.

Description: Students will learn how to make financial decisions related to budgeting, banking, credit, insurance, spending, taxes, investing, buying/renting a home and vehicle. The course also develops an understanding of basic economic structures and the global economy and uses simulations to practice navigating the financial decisions of a virtual life.

Engineering

Engineering Completer Sequence:

Choose any 2 of the courses below:

- 8450 Engineering 1
- 8451 Engineering 2
- 8452 Engineering 3
- 8453 DE Engineering 4
- 8491 Engineering Capstone - Honors

8450 Engineering 1

Credit: 1 CTE Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Description: An introduction to engineering as a profession, a process, a mindset, and the application of technical skills and knowledge. Students will design, prototype, test, and report on a wide range of projects. Students will learn basic

programming, computer aided design (CAD), computational software, and electronics, as well as teamwork and problem solving.

8451_CTE Engineering 2

Credit: 1 CTE Credit

Grade: 9, 10, 11, 12

Prerequisite: Engineering 1

Description: Students will build on their experiences in Engineering 1, proposing and completing independent projects. Students will develop advanced skills in programming, CAD, computational software, circuit design, and robotics.

8452DE Engineering 3

Credit: 1 CTE Credit; 2 community college credits

Grade: 10, 11, 12

Prerequisite: Engineering 2

Description: Engineering 3 is the third course in the five-year Engineering Course Sequence. This Dual Enrollment course is designed for sophomores, juniors, and seniors who intend to pursue engineering or other technical fields after high school. In Engineering 3, students are responsible for the development, design, prototyping, implementation, optimization, and presentation of self-guided projects. Students will develop a mastery of Computer Aided Design (CAD), programming, electronics, advanced manufacturing, project management, and technical writing.

8453 Dual Enrollment Engineering 4

Credit: 1 CTE Credit; 3 community college credits

Grade: 10, 11, 12

Prerequisite: Engineering 3; Passing score on PVCC Virginia Placement Test (VPT) in both Math and English or PSAT/SAT/ACT scores

Description: Engineering 4 is the fourth course in the five-year engineering course sequence. This Dual Enrollment course is designed for juniors and seniors who intend to pursue engineering or other technical fields after high school. In Engineering 4, students are responsible for the development, design, prototyping, implementation, optimization, and presentation of self-guided projects with an emphasis on the use of computational modeling, portability, connectivity, and computer programming.

8491 Dual Enrollment Engineering Capstone

Credit: 1 CTE Credit

Grade: 12

Prerequisite: Dual Enrollment Engineering 4

Description: The CHS Engineering Capstone course is available to students who have successfully completed Engineering 1-4. Students in the Engineering Capstone course will pursue independent research on a year-long question or problem of their choice. Research projects will provide an opportunity for students to apply the engineering knowledge, skills, and understandings gained in their previous engineering courses. Students may choose to collaborate with other Engineering Capstone students on their projects. Student work will be graded according to originality, independence, appropriateness of scope, process of inquiry, impact, intellectual stretch, schedule, budget, documentation, and presentation.

COMPUTER SCIENCE

Computer Science Completer Sequence:

- Exploring Computer Science
- App Development

6640 Exploring Computer Science

Credit: 1 CTE Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Description: This is an introductory, college prep course that provides students with foundational computer science knowledge and computing skills. The course consists of human computer interaction, problem solving, web design, an introduction to programming, computing and data analysis, and robotics. The inquiry-based instructional design of the course provides the opportunity for students of all skill levels to engage the curriculum and be well prepared to enter a rigorous and rewarding computer science pathway.

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6641 App Development

Credit: 1 CTE Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Description: Students in this course explore programming concepts, use algorithmic procedures, implement programming procedures with one or more standard languages, and master programming fundamentals. Coding is used throughout the course. Graphical user interfaces may be used as students design and develop apps and employ block programming such as Scratch and Lego Mindstorm.

3186 AP Computer Science Principles

Credit: 1 Elective Credit

Grade: 9 -12

Prerequisite: None

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career.

03185 AP Computer Science A

Credit: 1 Math Credit

Grade: 11, 12

Prerequisite: Algebra II

Assessments: AP Exam

Note: Students are expected to take the AP examination, which is offered in May. College credit may be earned depending upon the score achieved and individual policies of colleges and universities.

Description: This advanced placement Java programming course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. Other topics covered include data structures, program design and abstractions.

Sports Medicine

7660 Sports Medicine I

Credit: 1 Elective Credit

Grade: 9 - 12

Prerequisite: None

Description: This course is designed to introduce students to the basic concepts of athletic training. Topics that will be covered include anatomy, tissue response to injury, medical terminology and prevention, assessment and rehabilitation of injuries. Students will also obtain certification in CPR and First Aid.

English as a Second Language (ESL)

ESL services are designed to support students as they develop proficiency in listening, speaking, reading, and writing in the English language. Concepts taught in the program support grade-level content skills taught in all areas of the regular curriculum. Instruction is designed to meet the needs of students at various English proficiency levels, is offered in all schools, and includes all students who test into the division-wide ESL program. Students are assigned to courses in the ESL programs based on their first language literacy, their English proficiency level as measured by the ACCESS test, and their academic level.

Buford Middle School Course Offerings

64 ESOL Beginning

Grade: 7 or 8

Prerequisite: None

Description: This course is designed for beginning English Language Learners. Students receive intensive instruction in reading, writing, listening and speaking. Focus is placed on initial reading, sight words, spelling, and basic vocabulary in social language and all content areas.

5710L ESOL Language Arts A

Grade: 7 or 8

Prerequisite: None

Description: This course introduces non-native English speakers to basic structures and vocabulary of the English language through the skills of reading, writing, speaking, and listening. Students learn strategies in order to advance their reading, listening, and pronunciation skills. They expand oral comprehensibility and write complete sentences.

5720L ESOL Language Arts B

Grade: 7 or 8

Prerequisite: None

Description: This course is an extension of the skills learned in Level A. It focuses on syntax, continued vocabulary development, reading, listening comprehension, speaking and pronunciation skills, and writing.

Charlottesville High School Course Offerings

5710 English as a Second Language I

Credit: 2 Foreign Language credits

Grade: 9

Prerequisite: English Language Proficiency Assessment of Level 1

Description: This course is designed for beginning English Language Learners. Students receive a double block of intensive instruction in reading, writing, listening and speaking. Focus is placed on initial reading, sight words, spelling, and basic vocabulary in social language and all content areas.

5720 English as a Second Language II

Credit: 2 Foreign Language credits

Grade: 9, 10

Prerequisite: English Language Proficiency Assessment of Level 2

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Description: This course is designed for high-beginning English Language Learners. Students receive a double block of intensive instruction in reading, writing, listening and speaking. Emphasis is placed on reading development and academic language in all content areas.

1130E English ESL 9

Credit: 1 English Credit

Grade: 9

Prerequisite: English Language Proficiency Assessment between 1.8 and 3.5

Description: This English class will focus on writing skills, vocabulary, reading comprehension, and oral communication skills. This course includes both independent and guided reading assignments, substantive essay practice, grammar instruction, and class discussions

1140E English ESL 10

Credit: 1 English Credit

Grade: 10

Prerequisite: Completion of English 9 and Proficiency Assessment between 1.8 and 3.5

Assessment: SOL Test - Writing

Description: This course will help students develop their writing skills and prepare for the SOL test in Writing. Students will read and write extensively and will prepare for the rigors of post-high school education and the working world.

1150E English ESL 11

Credit: 1 English Credit

Grade: 11

Prerequisite: Completion of English 10 Proficiency Assessment between 1.8 and 3.5

Assessment: SOL Test - Reading

Description: In this course students prepare for the SOL test in reading, write various persuasive essays, and enhance their reading comprehension. This course is designed for students who have an interest in either college or the working world.

5720 English 9 ESL Study Skills

Credit: 1 Foreign Language Credit

Grade: 9 or 10

Co-requisite: Must be LEP student enrolled in English 9 ESL

Description: This course is to provide additional support for high beginning to intermediate level English Language Learners who are currently in ESL English 9. The focus is on academic vocabulary, reading strategies, writing, and study skills necessary to be prepared for the End-of-Course Assessments.

5730 English 10 ESL Study Skills

Credit: 1 Foreign Language Credit

Grade: 10 or 11

Co-requisite: Must be LEP student enrolled in English 10 ESL

Description: This course is to provide additional support for intermediate level English Language Learners who are currently in ESL English 10. The focus is on academic vocabulary, reading strategies, writing, and study skills necessary to be prepared for the End-of-Course Assessments.

5741 English 11 ESL Study Skills

Credit: 1 Foreign Language Credit

Grade: 11 or 12

Co-requisite: Must be LEP student enrolled in English 11 ESL

Description: This course is to provide additional support for intermediate to advanced level English Language Learners who are currently in ESL English 11. The focus is on academic vocabulary, reading strategies, writing and study skills necessary to be prepared for the End-of-Course Assessments.

05741 ESL IV

Credit: 1 Foreign Language Credit

Grade: 9, 10, 11, 12

Prerequisite: None

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Description: This course is to provide additional support for intermediate to advanced level English Language Learners who are not in a sheltered ESL course.. The focus is on academic vocabulary, reading strategies, writing and study skills necessary to be prepared for the End-of-Course Assessments.

05732 ESL American Studies

Credit: 1 Elective Credit

Grade: 9, 10

Prerequisite: ESL II or Teacher Recommendation

Description: This course covers basic geography and United States history. Heavy emphasis is placed on building vocabulary and content knowledge as well as development of reading and writing skills.

05736 ESL Math I

Credit: 1 Elective Credit

Grade: 9, 10

Prerequisite: ESL I or Teacher Recommendation

Description: This course covers basic mathematics. Heavy emphasis is placed on computation and basic number skills as well as development of reading and writing skills.

05737 ESL Math II

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: ESL Math II or Teacher Recommendation

Description: This course covers basic mathematics. Heavy emphasis is placed on computation and basic number skills as well as development of reading and writing skills. This math course is modeled after the Introduction to Algebra course.

5734 ESL Science

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: ESL I or Teacher Recommendation

Description: This course covers basic skills necessary for success in science courses. Heavy emphasis is placed on computation and basic number skills, as well as development of reading and writing skills.

2997 Becoming a Global Citizen

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Description: This course is designed to help create a generation of intellectually inspired, knowledge producing, and socially responsible students. Students will explore the relationship between human rights and social justice through discussion, reflections, and performance-based assessment. Class will consist of advanced ESL students and mainstream students.

2998 ESL Reading

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: ESL II or Teacher Recommendation

Description: This is a literacy class for emergent learners of English. This class focuses on using picture stories to build vocabulary, word study to learn new words along with basic spelling rules, and survival English skills.

2999 21st Century ESL

Credit: 1 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: None

Description: This course is designed for English Language Learners who have taken ESL I and ESL II multiple times. Students will receive intensive instruction in reading, writing, listening and speaking. Emphasis is placed on real-world reading development, 21st century vocational skills and practical applications of such skills.

A.V.I.D (Advancement Via Individual Determination)

AVID is an elementary through postsecondary college readiness system that is designed to increase schoolwide learning and performance. The AVID system accelerates student learning, uses research based methods of effective instruction, provides meaningful and motivational professional development, and acts as a catalyst for systemic reform and change.

Buford Middle School Course Offerings

9813 AVID 7

Grade: 7

Prerequisite: interview and application process

Description: AVID 7 is an academic elective that prepares students for college readiness and success through a rigorous college preparatory curriculum, tutor-facilitated study groups, motivational activities, and academic skills.

9814 AVID 8

Grade: 8

Prerequisite: Middle School AVID and/or interview and application process

Description: AVID 8 is an academic elective that focuses on college readiness and skills necessary for rigorous high school coursework. Students will continue to develop their skills in note-taking, tutor-facilitated study groups, and WICOR strategies. Students accepted into AVID 8 will be encouraged to enroll in higher-level courses.

Charlottesville High School Course Offerings

9061H AVID 9 Honors

8403H

Credit: 1 Elective Credit

Grade: 9

Prerequisite: CHS AVID application process, including interview

Description: AVID 9 is an elective course that prepares students for entrance into four-year colleges. This course is the first step of a four-year college preparatory program. Students will learn AVID basics: WICOR (writing, inquiry, collaboration, organization, and reading), time management, tutorials, Socratic seminars, academic goal setting and motivation.

8405H AVID 10 Honors

8210H

Credit: 1 Elective Credit

Grade: 10

Prerequisite: CHS AVID application process, including interview

Description: AVID 10 is an elective course that prepares students for entrance into four-year colleges. This course is the second step of a four-year college preparatory program. Students will build upon AVID basics, research colleges and careers, and work on self-awareness and personal development.

9817 AVID 11 Honors

Credit: 1 Elective Credit

Grade: 11

Prerequisite: CHS AVID application process, including interview

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Description: AVID 11 is an elective course that prepares students for entrance into four-year colleges. This course is the third step of a four-year college preparatory program. Students will build upon and refine AVID basics, choose colleges, and begin gathering documents for the impending college and financial aid application process.

9818 AVID 12 Honors

Credit: 1 Elective Credit

Grade: 12

Prerequisite: CHS AVID application process, including interview

Description: AVID 12 is the culmination of the student's years in AVID. This course is the fourth step of a four-year college preparatory program. Students will refine AVID basics, write college admissions essays, take college placement examinations, apply for financial aid, and apply to colleges.

SDV100 DE College Success Skills (One semester course: offered Fall & Spring)

Credit: 0.5 Elective Credit

Grade: 11,12

Prerequisite: None

Assessment(s): Final Exam (teacher created)

Description: Assists students in transition to colleges. Provides overviews of college policies, procedures, curricular offerings. Encourages contacts with other students and staff. Assists students toward college success through information regarding effective study habits, career and academic planning, and other college resources available to students. May include English and Math placement testing. Strongly recommended for beginning students.

Assistants, Managers, and Lunches

0022 Media Assistant I - 1st semester

0023 Media Assistant II - 2nd semester

Credit: 0.5 Elective Credit

Grade: 9, 10, 11, 12

Prerequisite: Media Specialist Recommendation

Description: Students learn information management and retrieval skills while providing assistance to the Media Center staff. Media Assistants shelve books and magazines, run the circulation desk, copy, and help prepare displays and bibliographies. The course includes written assignments on various instructional units including circulation procedures, the Dewey Decimal system, use of databases, and Internet searching.

0020 Tech Help Desk Assistant I - 1st semester

0021 Tech Help Desk Assistant II - 2nd semester

Credit: No Credit

Grade: 10, 11, 12

Prerequisite: Counselor or Teacher Recommendation

0040 Counseling Department Assistant I - 1st semester

0045 Counseling Department Assistant II - 2nd semester

Credit: No Credit

Grade: 9, 10, 11, 12

Prerequisite: Counselor and Counseling Department Secretary Recommendation

0030 Office Assistant I - 1st semester

0035 Office Assistant II - 2nd semester

Credit: No Credit

Grade: 9, 10, 11, 12

Prerequisite: Principal and Counselor Recommendation

0050 Science Lab Assistant I - 1st semester

0055 Science Lab Assistant II - 2nd semester

Credit: No Credit

Grade: 9, 10, 11, 12

Prerequisite: Science Teacher Recommendation

0060 Teacher Assistant - 1st semester

0655 Teacher Assistant - 2nd semester

Credit: No Credit

Grade: 9, 10, 11, 12

Prerequisite: Supervising Teacher Recommendation

0072 Band Manager - 1st semester

0073 Band Manager - 2nd semester

Credit: No Credit

Grade: 9, 10, 11, 12

Prerequisite: Band Director Recommendation

0074 Chorus Manager - 1st semester

0075 Chorus Manager - 2nd semester

Credit: No Credit

Grade: 9, 10, 11, 12

Prerequisite: Choral Director Recommendation

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Description: Organize and file music, manage equipment, help with paperwork, and assist with logistical arrangements for ensembles.

0070 Orchestra Manager - 1st semester

0071 Orchestra Manager - 2nd semester

Credit: No Credit

Grade: 9, 10, 11, 12

Prerequisite: Orchestra Director Recommendation

Description: Organize and file music, manage equipment, help with paperwork, and assist with logistical arrangements for ensembles.

01112 Senior Off Campus Lunch

Credit: No Credit

Grade: 12

Prerequisite: Completion of application with Parental and Principal Approval; Must be on-track for graduation with no failing grades or outstanding SOL tests needed for graduation.

00006 Educational Release

Credit: No Credit

Grade: 9, 10, 11, 12

Prerequisite: Parental and Principal Approval; Enrollment in a collegiate class off campus.

00007 Release to Work

Credit: No Credit

Grade: 9, 10, 11, 12

Prerequisite: Parental and Principal Approval; Employment Verification

8120CO Work-Based Learning: Marketing Co-op

Credit: 1 CTE Credit

Grade: 10-12

Co-requisite: Must be currently enrolled in a Marketing Course or Economics and Personal Finance

Description: Students in the Co-op Work Release Program earn 1 credit for their supervised retail job experience. Students enrolled in this course are required to have a job, retain the job for the entire school year, and work approximately 10-15 hours per week.

9074/9071 CTE Honors Option Junior/Senior Internship & WBL Program

Credit: .5 CTE Credit (9074 - 2 hours per week for 36 weeks)

1 CTE Credit (9071 - 4 hours per week for 36 weeks)

Grade: 11, 12

Prerequisite: None

This class is tied to a CTE course and would be given grades A-F

Description: This program is designed to support a student's long-range education and career goals and provides the opportunity to experience "first-hand" a particular career or career field by interning with professionals in the community. Students enhance their academic, technical and workplace readiness skills as well as become more informed about certain career field expectations and requirements before entering college and/or the workforce.

XXXX Junior/Senior WBL Program

Credit: .5 Local Credit (xxxx- 2 hours per week for 36 weeks)

1 Local Credit (xxxx- 4 hours per week for 36 weeks)

Grade: 11, 12

Prerequisite: None

This class is a local elective and will be graded as a Pass/Fail & not calculated in a student's GPA

Description: This program is designed to support a student's long-range education and career goals and provides the opportunity to experience "first-hand" a particular career or career field by conducting a WBL experience with professionals in the community. Students enhance their academic, technical and workplace readiness skills as well as become more informed about certain career field expectations and requirements before entering college and/or the workforce.

CATEC

CATEC Program of Studies

2022 - 2023

Charlottesville Albemarle Technical Education Center (CATEC)

My Choice. My School. My Future.

CATEC High School classes are offered on-site at CATEC with one additional course offered at Western Albemarle High School. Course offerings from ten different programs are available to all Albemarle County (ACPS) and Charlottesville City Public School (CCS) students free of charge. Enrollment in programs at CATEC is prioritized for ACPS and CCS students; remaining seats are open to home school and out-of-district students at a tuition rate of \$1,500 per year.

Programs meet a half-day and include practical, hands-on training in a variety of exciting career fields. Transportation to and from base schools is provided. To enroll in CATEC classes, students should speak with their high school counselor.

Students who attend and complete CATEC programs have the opportunity to receive a recognized certification or industry credential in their field of study and high school elective credit. Many CATEC classes also offer dual enrollment credit and opportunities for core academic credits.

CATEC is a specialized center that offers educational and career pathways for students in partnership with post-secondary institutions and employers. Students attending CATEC may qualify to receive industry certifications and credentials. These credentials are a valuable tool to gain full-time employment in growing industries. Graduates may also continue their education utilizing the dual enrollment credits they received while in high school.

CATEC Healthcare and Medical Services Academy

CATEC is partnered with PVCC, Reynolds Community College, and local businesses to develop career and educational pathways in the areas of **Dental, Emergency Medicine, Nursing, Pharmacy and Veterinary Science.**

Additional CATEC Programs

- Auto Service Technician
- Auto Body Repair
- Building Trades
- Electrical
- Fire Fighting
- Culinary Arts
- Cosmetology
- Music Industry Technology
- CATEC Career Exploration
- CATEC Internship

Admissions

Students register for CATEC classes through their school counselor. There is no application process. Albemarle County and Charlottesville City students are prioritized for program completion through a structured registration timeline. Out-of-district and tuition-based students are enrolled accordingly.

Post-grad students are defined by CATEC as students who choose to enter a 2-year program as 12th graders and are accepted to return to CATEC the year immediately following graduation. Not all programs offer post-grad options. A tuition fee of \$500 will apply; scholarships may be available. Post-grad acceptance will be evaluated on a case-by-case basis.

Registration Process Per Student Type	
Albemarle County and Charlottesville City Schools Students	Register with School Counselor
Home School Students	Two Options: <ul style="list-style-type: none"> • Register with base school of residence in Albemarle County or Charlottesville City to attend CATEC only • Pay \$1,500 tuition
Out-of-District Students	Pay \$1,500 tuition
Post-Grad Students	Complete application and pay \$500 tuition

Attendance

In accordance with guidelines established by the Virginia Department of Education, CATEC courses are required to meet a minimum number of hours (www.cterresource.org). To fulfill this requirement, attendance is mandatory. Attendance is directly related to academic achievement and professionalism in the workplace. Absences will be excused for the following reasons: funeral, illness, injury, legal obligations, medical procedures, religious observances, military obligations, and other reasons approved by the Director or the Director’s designee.

- To support student achievement and meet course guidelines, CATEC will adhere to the following attendance procedures:
- To receive course credit, students MUST meet the minimum seat-time as required by the Virginia Department of Education AND the accrediting industry organization;
- Accrediting industry organizations may require more seat time than stipulated by the Virginia Department of Education;
- Teachers **may** choose to provide students with an opportunity to make-up absences;
- Parents may excuse up to six student absences per semester without official documentation;
- Official documentation must be provided to excuse more than six absences per semester;
- Official documentation may include a doctor’s note, court hearing notice/documentation, counseling appointment documentation;
- Once enrolled, students missing two or more days of the first two weeks of school without official documentation will be referred back to their base school, and;
- Students leaving more than 30 minutes early must make-up missed time or may be considered absent.

Charlottesville City Schools Program of Studies

CATEC 2022-2023 Academy and Program Course Offerings

Class	Course #	Duration	Grades	Certification	AM/PM	Academic Opt-in	Post-Grad Accepted
Auto Body Technology							
Auto Body Tech I & II	8676 8677	1 year	10-12	ASE, I-CAR, WRS	AM or PM	Yes	No
Auto Body Tech III	8678	1 year	Prerequisite: Auto Body I & II 12	ASE, I-CAR	PM	No	Yes
Automotive Service Technology							
Auto Tech I	8506	1 year	10-11	ASE, WRS	AM	Yes	No
Auto Tech II	8507	1 year	11-12	ASE, WRS, State Inspection License	PM	Yes	No
Auto Tech III	8508	1 year	Prerequisite: Auto Tech I & II 12	State Inspection License, Work-based learning opportunity	PM	Yes	No
Building Trades							
Building Trades I	8515	1 year	10-11	NCCER CORE & Level 1, OSHA10, WRS	AM	Yes	No
Building Trades II	8516	1 year	Prerequisite: Building Trades I 11-12	NCCER CORE & Level 1, OSHA10, WRS	PM	Yes	No
Construction Technology	8431	1 year	Prerequisite: Building Trades II 12	Work-based learning opportunity	AM	Yes	No
Cosmetology							
Cosmetology I	8527	1 year	10-11	WRS	AM or PM	Yes	N/A
Cosmetology II	8528	1 year	11-12	State Cosmetology License, WRS	PM	Yes	Yes

Charlottesville City Schools Program of Studies

Class	Course #	Duration	Grades	Certification	AM/PM	Academic Opt-in	Post-Grad Accepted
Culinary Arts							
Culinary Arts I	8275	1 year	10-11	Serve Safe Food Handler, WRS, CPR, First Aid	AM	Yes	No
Culinary Arts II	8276	1 year	Prerequisite: Culinary Arts I 11-12	NOCTI, WRS Serve Safe Manager	PM	Yes	No
Intro to Culinary Arts	8250	1 year	10-12	WRS	AM	No	No
Electricity							
Electricity I	8533	1 year	10-11	NCCER CORE & Level 1, OSHA10, WRS	AM	Yes	No
Electricity II	8534	1 year	Prerequisite: Electrical I 11-12	NCCER CORE & Level 2, OSHA10, WRS	PM	Yes	No
Electricity III	8535	1 year	Prerequisite: Electrical I & II 12	Work-based learning opportunity	PM	Yes	No
Emergency Medical Technician							
EMT I & II	8333 8334	1 year	10-12 Age 16 by first day of school 12	State certified EMT-B, FEMA 100, FEMA 700, National Registry Virginia EMT, CPR, First Aid, WRS	CATEC: PM WAHS: AM	Yes	No
EMT III	8335	1 year	Prerequisite: EMT I & II EMT Certification		CATEC: PM WAHS: AM	No	No
Fire Science							
Firefighter I & II	8705 8706	1 year	10-12 Age 16 by first day of school	State Firefighter I & II, CPR, First Aid, Hazmat, FEMA 100, FEMA 200, FEMA 700, WRS	AM	Yes	No
Nurse Assistant							
Nurse Assistant I & II	8360 8362	1 year	11-12	State certified Nurse Aide, First Aid, CPR, WRS	AM or PM	No	No
Veterinary Science							
Veterinary Science I & II	8088 8089	1 year	10-12	Certified Veterinary Assistant, WRS	CATEC: PM	No	Yes

CATEC Class Descriptions

Course Title:	Auto Body Technology I & II (1-year program)	
Course Description:	<p>Students in this program are prepared for careers in this field using the latest technologies and state of the art equipment. Throughout the program, students learn technical aspects of the automotive repair industry and practice skills by working on vehicles. Successful completion of the two-year Auto Body program can reduce the two years of experience required for Automotive Service Excellence (ASE) certification by one year. This course is not recommended for individuals with respiratory or allergy problems.</p> <p>Certifications: ASE, I-CAR, Workplace Readiness Certification</p>	
Prerequisite(s):	None	
Corequisite(s):		
Credit:	I & II: 2-3 Elective Credits* *2 elective credits if taken in conjunction with a pull-out academic course	
Levels:	Auto Body Technology I Auto Body Technology II	(8676/36 weeks, 140 hours) *NCCR requires 370 hours (8677/36 weeks, 280 hours)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	N/A	
Grades:	10-12	
Course Title:	Auto Body Technology III (1-year program)	
Course Description:	<p>After acquiring basic skills through Auto Body I and II, students in this program are prepared to enter the workforce. Students accepted into third-year programs are expected to participate in internships or apprenticeships with local facilities.</p> <p>This course is not recommended for individuals with respiratory or allergy problems.</p> <p>Certifications: ASE, I-CAR, Workplace Readiness Certification</p>	
Prerequisite(s):	Auto Body I & II	
Corequisite(s):		
Credit:	III: 2-3 Elective Credits*; 1-2 Verified Credits (certification, completer)	
Levels:	Auto Body Technology III	Auto Body Technology III (8678/36 weeks, 280 hours)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	N/A	
Grades:	11-12	

Charlottesville City Schools Program of Studies

Course Title:	Automotive Service Technology I & II (2-year program)	
Course Description:	<p>Automotive Service Technology is a two-year program for students who wish to become automotive technicians. The program is dual enrolled with Reynolds Community College and has articulation agreements with several other institutions. The program is industry-certified through NATEF and Automotive Youth Educational System (AYES) program. The program includes the study of engine repair, engine performance, electricity/electronics, automatic transmission, clutch and manual transmission, HVAC (air conditioning), brakes, steering, and suspension. In the classroom, students will study automotive theory and put the theory into practical use in the auto lab. Automotive manufacturers and local dealerships sponsor the Automotive Youth Education System (AYES) at CATEC. This program offers employment opportunities with dealerships and independent repair shops for students who qualify and are selected during the spring semester of the first year. The program prepares graduates to pursue the Virginia State Inspector's License.</p> <p>Articulation Agreements: Universal Technical Institute (UTI), Lincoln Technical Institute/ Nashville Auto Diesel College, and University of Northern Ohio</p> <p>Certifications: ASE, Workplace Readiness Certifications</p>	
Credit:	I: 2-3 Elective Credits*; II: 2-3 Elective Credits*; 1-2 Verified Credits (certification, completer) *2 elective credits if taken in conjunction with a pull out academic course.	
Levels:	Automotive Service Technology I	(8506/36 weeks, 280 hours) *NATEF requires 430 hours
	Automotive Service Technology II	(8507/36 weeks, 280 hours) *NATEF requires 430 hours
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	<p>Year I: RCC 13 credits: AUT101 Intro to Automotive Sys. (3); AUT236 Automotive Climate Control (4); AUT241 Automotive Electricity (3); AUT242 Automotive Electricity II (3)</p> <p>Year II: AUT111 Automotive Engines I (4); AUT136 State Inspection (2); AUT266 Alignment, Suspension, & Steering (3); AUT265 Automotive Braking System (3)</p>	
Grades:	10-12	
Course Title:	Automotive Service Technology III (1-year program)	
Course Description:	<p>This course prepares students to perform automotive diagnosis and repairs in the following areas: engine repair, cooling systems, transmission and transaxle, manual drive trains and axles, suspension and steering, wheel and tire, brakes, electrical/electronic systems, HVAC, and engine performance. Students are provided with more advanced instruction in all systems as they prepare for the Automotive Service Excellence (ASE) certification examinations. The Automotive Technology program provides the fundamental skills necessary to succeed in an ever-changing and challenging industry as an automotive technician. *Year III students are eligible for work-release to take advantage of a work-based learning opportunity.</p> <p>Certifications: ASE, **State Inspection License</p>	
Credit:	III: 2-3 Elective Credits*1-2 Verified Credits (certification, completer) *2 elective credits if taken in conjunction with a pull-out academic option.	
Levels:	Automotive Service Technology III	(8508/36 weeks, 280 hours)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	N/A	
Grades:	12	

Charlottesville City Schools Program of Studies

Course Title:	Building Trades I & II (2-year program)	
Course Description:	<p>This course will teach all the basic skills of the following trade areas: carpentry, residential wiring, residential plumbing, HVAC, and masonry. Blueprint reading and drawing are introduced at the beginning of the course. The latter part of the course focuses on carpentry from framing to the finishing trim and roofing. Plumbing is introduced as it relates to the other trades during the year. Residential wiring emphasizes the basics of wiring a house and the National Electrical Code. All aspects of residential construction from project planning to purchasing materials to code compliance are taught. Emphasis will be placed on proper employability skills and attitude throughout the course.</p> <p><u>Students who complete this program may qualify to receive credit for one year of Apprenticeship with the Department of Labor.</u></p> <p>Certifications: NCCER CORE & Level 1, OSHA10, Workplace Readiness Certification</p>	
Prerequisite(s):		
Credit:	I & II: 3 Elective Credits*; 1-2 Verified Credits (certification, completer) *3 elective credits and 1 Math credit if student opts into embedded Math course	
Levels:	Building Trades I	(8515/36 weeks, 140 hours)
	Building Trades II	(8516/36 weeks, 280 hours)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	PVCC 1 credit: SAF130 Industry Safety OSHA10 (1)	
Grades:	10-12	
Course Title:	Construction Technology (1-year program)	
Course Description:	<p>Students will build structures, including a modular home, and engage in problem-based learning that exposes them to commercial, industrial, residential, public works, and institutional technologies to help them understand the jobs of construction careers. Students learn proper safety procedures for tools and machinery, vocabulary and terms associated with construction, blueprint reading and symbols associated with architecture, and math concepts and principles used in construction.</p> <p>* Year III students are eligible for work-release to take advantage of a work-based learning opportunity.</p>	
Prerequisite(s):	Building Trades I & II, C or better. Teacher recommendation required. Students must have their own transportation to work site.	
Corequisite(s):		
Credit:	2-3 Elective Credits*; 1-2 Verified Credits (certification, completer) *2 elective credits if taken in conjunction with a pull-out academic class.	
Levels:	Construction Technology	(8431/36 weeks)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	TBD	
Grades:	12	

Charlottesville City Schools Program of Studies

Course Title:	Cosmetology I	
Course Description:	<p>In this introductory course, students study hair, skin, and natural nail care. Students are grounded in theory as they prepare to practice procedures in a clinical lab setting and classroom, using mannequins for manipulative skill practice. The first-year course emphasizes personal safety, professionalism, and sanitation and disinfection of equipment and facilities. Students develop skills in shampooing and conditioning hair, as well as styling and cutting hair. They are introduced to hair coloring and chemical texture services and develop skills in manicure and pedicure procedures.</p> <p><i>Cosmetology students must satisfy a minimum of 840 hours of instruction in a two- or three-year coherent sequence of courses to be eligible to take the Board for Barbers and Cosmetology licensing examination. Upon successful completion of the program, students may earn the Virginia Board for Barbers and Cosmetology license. For more information, see Superintendent's Memo 075-16 and Superintendent's Memo 072-17.</i></p> <p>Certifications: Customer Service Examination & Workplace Readiness Certification</p>	
Prerequisite(s):	None	
Credit:	Cosmetology I: 3 Elective Credits (*2 elective credits if taken with a pull-out academic option)	
Levels:	Cosmetology I	(8527/36 weeks, 280 hours)
	Cosmetology II	(8528/36 weeks, 280 hours)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC	
Dual Enrollment:	N/A	
Grades:	10-12 (Post-grad options available)	
Course Title:	Cosmetology II	
Course Description:	<p>In this continuing course, students build on their theoretical foundation of general sciences and practices in cosmetology to increase proficiency in hair cutting and styling on live models, with attention to professionalism, client consultation, safety, and infection control. Students are trained in safe chemical processes related to permanent waves, relaxers, lightening, and coloring hair. In addition, students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. Students will be introduced to a business management unit with a focus on managing the salon.</p> <p><i>Cosmetology students must satisfy a minimum of 840 hours of instruction in a two- or three-year coherent sequence of courses to be eligible to take the Board for Barbers and Cosmetology licensing examination. Upon successful completion of the program, students may earn the Virginia Board for Barbers and Cosmetology license. For more information, see Superintendent's Memo 075-16 and Superintendent's Memo 072-17.</i></p>	
Prerequisite(s):	Cosmetology I with C or better. Teacher Recommendation.	
Credit:	Cosmetology II: 2-3 Elective Credits*; 1-2 Verified Credits (certification, completer) *2 elective credits if taken in conjunction with a pull-out academic option	
Levels:	Cosmetology I	(8527/36 weeks, 280 hours)
	Cosmetology II	(8528/36 weeks, 280 hours)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	N/A	
Grades:	Cosmetology II (11- 12 & Post Grad)	

Charlottesville City Schools Program of Studies

Course Title:	Introduction to Culinary Arts	
Course Description:	<p>This class is designed to introduce students to career options in the food service industry as well as to provide instruction in culinary techniques. This entry-level course provides an overview of the culinary industry and career options through work-study placement. Class time is used for teaching new concepts, reinforcing important skills, and assisting Culinary Arts II students with catering activities. Students who are successful in this class may have the option to take Culinary Arts I the following year.</p> <p>Certifications: Workplace Readiness Certification</p>	
Prerequisite(s):	None	
Corequisite(s):	None	
Credit:	3 Elective Credits	
Levels:	Introduction to Culinary Arts	(8224/36 weeks)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Family and Consumer Science	
Offered at:	CATEC	
Dual Enrollment:	N/A	
Grades:	10-12	
Course Title:	Culinary Arts I	
Course Description:	<p>Culinary Arts prepares students to enter employment in food service occupations or to pursue additional education in culinary school. Instruction focuses on sanitation, nutrition, food preparation, catering, purchasing, and inventory control in addition to food presentation and service. Our learning emphasis is academic, hands-on, and includes community-based service learning.</p> <p>Certifications: ServSafe Food Handler, Workplace Readiness Certification</p>	
Prerequisite(s):	None	
Corequisite(s):	None	
Credit:	I: 2-3 Elective Credits*; II: 2-3 Elective Credits*; 1-2 Verified Credits (certification, completer) *2 elective credits if taken in conjunction with a pull-out academic course.	
Levels:	Professional Culinary Arts I	(8275/36 weeks, 280 hours)
	Professional Culinary Arts II	(8276/36 weeks, 280 hours)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Family and Consumer Science	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	PVCC 9 credits: HRI106 Principles of Culinary Arts (3); HRI158 Sanitation and Safety (3); HRI107 Intro to Culinary(3)	
Grades:	10-12	

Charlottesville City Schools Program of Studies

Course Title:	Culinary Arts II				
Course Description:	<p>Culinary Arts prepares students to enter employment in food service occupations or to pursue additional education in culinary school. Instruction focuses on sanitation, nutrition, food preparation, catering, purchasing, and inventory control in addition to food presentation and service. Our learning emphasis is academic, hands-on, and includes community-based service learning.</p> <p>Articulated credit available for Culinary Institute of Virginia.</p> <p>Certifications: ServSafe Manager</p>				
Prerequisite(s):	Culinary Arts I with C or better. Teacher Recommendation				
Corequisite(s):	None				
Credit:	I: 2-3 Elective Credits*; II: 2-3 Elective Credits*; 1-2 Verified Credits (certification, completer) *2 elective credits if taken in conjunction with a pull-out academic course.				
Levels:	<table border="0"> <tr> <td>Professional Culinary Arts I</td> <td>(8275/36 weeks, 280 hours)</td> </tr> <tr> <td>Professional Culinary Arts II</td> <td>(8276/36 weeks, 280 hours)</td> </tr> </table>	Professional Culinary Arts I	(8275/36 weeks, 280 hours)	Professional Culinary Arts II	(8276/36 weeks, 280 hours)
Professional Culinary Arts I	(8275/36 weeks, 280 hours)				
Professional Culinary Arts II	(8276/36 weeks, 280 hours)				
Department:	Career and Technical Education (CTE)				
SubCategory:	CTE Family and Consumer Science				
Offered at:	CATEC				
Dual Enrollment:	PVCC 8 credits: HRI128 Principals of Baking (3); HLT100 First Aid/CPR (2); HRI218 Fruit, Vegetable, and Starch Prep (3)				
Grades:	10-12				

Charlottesville City Schools Program of Studies

Course Title:	Electricity I & II (2-year program)	
Course Description:	<p>Students develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory and mathematical problems related to electricity, navigate the National Electrical Code Book, select and install conductors, examine lighting, communication, and power systems, and work with conduit and raceways, panel boards, switchboards, grounding systems, and generators. <u>Students who complete this program may qualify to receive credit for one year of Apprenticeship with the Department of Labor.</u></p> <p>Certifications: NCCER CORE, Level 1, and Level II, OSHA10, Workplace Readiness Certification</p>	
Credit:	<p>I: 3 Elective Credits*; 1-2 Verified Credits (certification); 1 Math credit (if opted-in) II: 3 Elective Credits*; 1-2 Verified Credits (certification, completer); 1 Science credit (if opted-in)</p>	
Levels:	<p>Electrical I 8533</p> <p>Electrical II 8534</p>	<p>(8533/36 weeks, 140 hours)</p> <p>(8534/36 weeks, 280 hours)</p>
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC	
Dual Enrollment:	PVCC 9 credits: ETR 113 DC & AC Fundamentals (4); ETR 114 DC & AC Fundamentals II (4); SAF130 Industry Safety OSHA10 (1)	
Grades:	Electricity I :10-11 Electricity II: 11-12	
Course Title:	Electricity III (1-year program)	
Course Description:	<p>Students continue to develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. Students also study electrical theory and mathematical problems related to electricity, navigate the National Electrical Code Book, select and install conductors, examine lighting, communication, and power systems, and work with conduit and raceways, panel boards, switchboards, grounding systems, and generators.</p>	
Credit:	<p>I & II: 2-3 Elective Credits*; III: 2-3 Elective Credits*; 1-2 Verified Credits (certification, completer) *2 elective credits if taken in conjunction with a pull out academic class.</p>	
Levels:	<p>Electrical III 8535</p>	<p>(8535/36 weeks, 280 hours)</p>
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Trade and Industrial Education	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	N/A	
Grades:	12 (only)	

Charlottesville City Schools Program of Studies

Course Title:	Emergency Medical Technician I & II (1-year program)	
Course Description:	<p>Students will learn the basics of emergency medical care including anatomy and physiology, initial patient survey and triage, airway management, oxygen therapy, and treatment of bleeding, shock, cardiac arrest, fractures, spinal injuries and other medical emergencies. Course requires strenuous physical activity.</p> <p>All EMT courses must be conducted in accordance with Virginia Emergency Medical Services Regulations (12 VAC 5-31) and the Virginia Office of Emergency Medical Services Training Program Administration Manual.</p> <p>Certifications: National Registry EMT, CPR, First Aid, Workplace Readiness Certification</p>	
Prerequisite(s):	<p>Must be 16 or older by start of school</p> <p>Other requirements as set forth by the Virginia Office of Emergency Medical Services Biology I</p>	
Corequisite(s):		
Credit:	3 Elective Credits*; 1-2 Verified Credits (certification, completer); 1 Science credit	
Levels:	Emergency Medical Technician I	(8333/36 weeks)
	Emergency Medical Technician II	(8334/36 weeks)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Health and Medical Science	
Offered at:	CATEC (available to all students) PM only; offered at WAHS AM only	
Dual Enrollment:	PVCC 12 credits – EMS111(7), EMS Clinical(1), HLT100 First Aid-CPR(2), HLT 141 (2) Intro to Medical Terminology	
Grades:	11-12	
Course Title:	Emergency Medical Technician III (1-year program)	
Course Description:	<p>This course allows students who have completed Emergency Medical Technician I and II and obtained EMT certification from the Virginia Office of Emergency Services and/or the National Registry to strengthen the skills mastered in the basic courses as they acquire skills to assist ALS providers, build on the foundations of EMS education, and earn continuing education requirements for recertification. Students also learn to coordinate with other public safety services, such as fire control, law enforcement, and emergency management. The course includes mentored, as well as instructional, experiences.</p> <p>All EMT courses must be conducted in accordance with Virginia Emergency Medical Services Regulations (12 VAC 5-31) and the Virginia Office of Emergency Medical Services Training Program Administration Manual.</p>	
Prerequisite(s):	Qualified for certification testing in EMT I/II, passed EMT I/II, and teacher recommendation	
Corequisite(s):		
Credit:	3 Elective Credits*; 1-2 Verified Credits (certification, completer)	
Levels:	Emergency Medical Technician III	(8335/36 weeks)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Health and Medical Science	
Offered at:	CATEC (available to all students) PM only; offered at WAHS AM only	
Dual Enrollment:	N/A	
Grades:	Grade: 12	

Charlottesville City Schools Program of Studies

Course Title:	Fire Science Academy (1-year program)	
Course Description:	<p>First semester instruction includes fire department organization and procedures. Supervised internships are provided with fire and rescue and are managed by the teacher. Second semester focuses on fire-ground management and operations. Course requires strenuous physical activity & occasional exposure to smoke-filled environments.</p> <p>Certifications: Firefighter I, Firefighter II, CPR, First Aid, Introduction to Hazardous Materials, Hazardous Material Operations, FEMA 100, 200, 700, 800, 907, and IS-5, TIM: National Traffic Incident Management, and Workplace Readiness Certification. Highway safety is covered during incidents for first responders and introduction to technical rescue.</p>	
Prerequisite(s):	<p>Must be 16 or older by start of school</p> <p>Other requirements as set forth by the Virginia Department of Fire Programs</p>	
Corequisite(s):		
Credit:	<p>2-3 Elective Credits*; 1-2 Verified Credits (certification, completer)</p> <p>*2 elective credits if taken in conjunction with an academic pull-out option.</p>	
Levels:	<p>Fire Science I</p> <p>Fire Science II</p>	<p>(8705/36 weeks, 280 hours)</p> <p>(8706/36 weeks, 140 hours)</p>
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Law and Public Safety	
Offered at:	CATEC (available to all students)	
Dual Enrollment:	<p>PVCC 2 credits: HLT100 First Aid & CPR (2)</p> <p>CVCC 12 credits: FST110 Fire Behavior & Combustion (3); FST115 Fire Prevention (3); FST235 Strategy and Tactics; FST121 Principle of Fire & Emergency Services (3)</p>	
Grade:	10-12 Must be 16 years old by first day of school.	

Course Title:	Nurse Assistant I & II (1-year program)	
Course Description:	<p>This course emphasizes study of nursing occupations as related to various health care systems. Students study body systems and disorders, basic nursing skills, study of human growth and development, first aid, nutrition, simple body structure, medical terminology, microbes and disease, vital signs, and cardiopulmonary resuscitation. Students also learn about bathing, feeding, dressing, and transporting of patients in hospitals and nursing homes. Clinical experience is provided in local nursing home. This course prepares students to take their state board to be a licensed CNA.</p> <p>Certifications: Virginia Certified Nurse Aide, CPR, First Aid, Workplace Readiness Certification</p>	
Prerequisite(s):	None	
Credit:	3 Elective Credits; 1-2 Verified Credits (certification, completer)	
Levels:	<p>Nurse Assistant I</p> <p>Nurse Assistant II</p>	<p>(8360/36 weeks, 280 hours)</p> <p>(8362/36 weeks, 280 hours)</p>
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Health and Medical Science	
Offered at:	CATEC	
Dual Enrollment:	<p>PVCC 11 credits: HTC101 Health Care Technician (3); HCT Health Care Technician (3); HLT100 First Aid/CPR (2); HLT130 Nutrition & Diet Therapy (1); HLT141 Intro to Medical Terminology (2)</p>	
Grades:	11-12	

Charlottesville City Schools Program of Studies

Course Title:	Veterinary Science I & II (1-year program)	
Course Description:	<p>Students will learn about veterinary science in a classroom setting, on site visits, as well as in a simulated small animal veterinary hospital, with hands-on training in small animal care. The course will introduce students to the technical knowledge and hands-on skills necessary to be successful in careers pertaining to companion animals. Desired career path may include pet care industries, government agencies, laboratory research institutions, pharmaceutical occupations, and veterinary medical assisting and technology. Students may choose to utilize dual-enrollment credits earned in this program to enter community college or be well prepared to enter a 4-year college or university to study animal medicine. Additional educational opportunities include special guest speakers, animal demonstrations, and field trips to small animal care facilities. Students will also learn workplace readiness and leadership skills to further them on their pathway to success.</p> <p>Certifications: Certified Veterinary Assistant, Workplace Readiness Certification</p>	
Prerequisite(s):	Biology I	
Corequisite(s):	None	
Credit:	3 Elective Credits*; 1-2 Verified Credits (certification, completer); 1 Science credit	
Levels:	Veterinary Science I	(8088/36 weeks, 140 hours)
	Veterinary Science II	(8089/36 weeks, 140 hours)
Department:	Career and Technical Education (CTE)	
SubCategory:	CTE Health & Medical Science	
Offered at:	CATEC (AM only)	
Dual Enrollment:	BRCC 12 credits: VET 101 Intro to Veterinary Assisting (3); VET102 Care and Maintenance of Small Domestic Animals (3); VET103 Veterinary Office Assisting (3); VET136 Companion Animal Behavior (3)	
Grades:	10-12	

Academic Course Offerings

Humanities

English 10

This class is embedded in Cosmetology I and Culinary I, which means the English instructor will push into the Cosmetology I and Culinary I classes, and students will complete most of their English assignments in their trade class. The instructors will work together to embed the English reading, writing, communication and research strands of the standards of learning into projects pertaining to Cosmetology and Culinary Arts. Students will prepare for the Work Keys Writing Test to be administered in the spring.

English 11

This class is embedded in Cosmetology I and Culinary I, which means the English instructor will push into the Cosmetology I and Culinary I classes, and students will complete most of their English assignments in their trade class. The instructors will work together to embed the English reading, writing, communication and research strands of the standards of learning into projects pertaining to Cosmetology and Culinary Arts. Students will prepare for the Work Keys Writing Test and SOL Reading Test to be administered in the spring.

US Government/English 12

US Government/English 12 is an interdisciplinary class combining US Government and English 12. It is a stand-alone class, which means it is not embedded in a trade class. The study of the origin and role of government in US society will be the focus of the class. English 12 communication, reading, writing, and research standards of learning will be incorporated into each unit. The class is project-based with an emphasis on helping students understand their rights and responsibilities as US citizens, how government systems impact their daily lives, and how the media influences politics and society as a whole. Students will also learn how they can affect change through political engagement.

Math

Algebra, Functions & Data Analysis - AFDA

This class is offered as a pull-out academic course option. This means students must complete year 1 of Electricity to earn the AFDA credit. Students will use algebraic functions and analyze data to solve practical problems relating to installing and maintaining residential, commercial and industrial electrical systems. The prerequisite is Algebra 1.

Geometry

This class is embedded within the Building Trades I curriculum. This means students must complete year 1 of Building Trades to earn the Geometry credit. Students will use geometric concepts and formulas to solve practical problems relating to the core building trades of masonry, carpentry, electricity, and plumbing. During semester 2, students will be pulled out of Building Trades for a portion of time each week to prepare for the Geometry SOL test.

Science

Biology II: Anatomy & Physiology

This class is embedded within the EMT and Veterinary Science curriculums. EMT students will learn the organization of the human body, including the purpose and features of all body systems. Veterinary Science students will learn the organization of amphibians, reptiles, birds and mammals, including the purpose and features of all body systems. The major focus will be on mammals. Both classes will conduct laboratory investigations to support their learning. There is no SOL exam required at the finish of this course. The prerequisite is Biology.

Elective

Personal Finance & Economics

This class is a stand-alone class, meaning it is not embedded in a trade class. Students will learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, and inheritance. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship and career success. In addition to developing personal finance skills, the students will have the opportunity to earn the Working in Support of Education (W!SE) Financial Literacy Credential.