

# The Buford Lab School Planning Grant

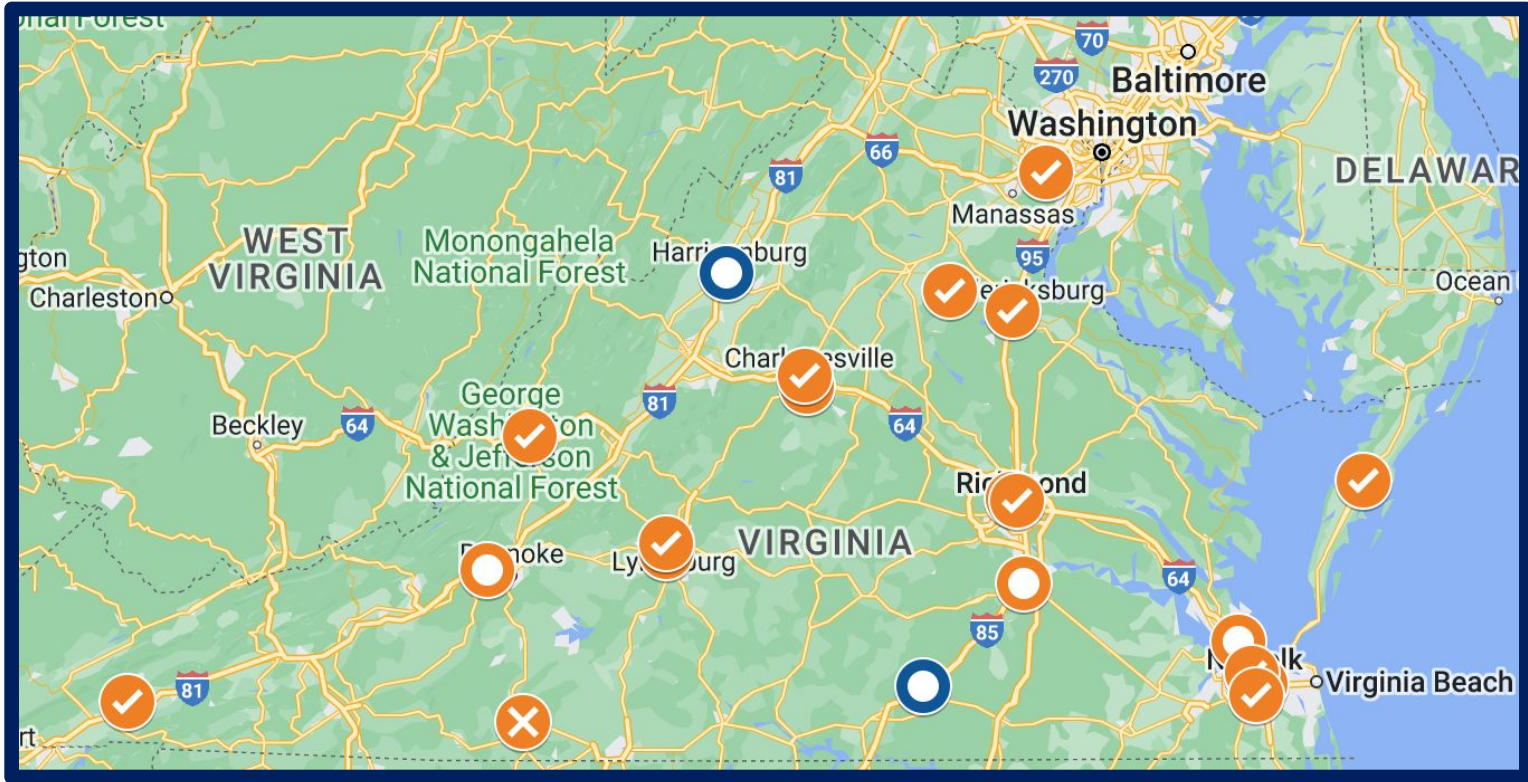




## **VDOE College Laboratory School Initiative**

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- \$100MM in funding for planning, start-up, and operating grants
- Public school established by an institution of higher education
  - Stimulate innovative programs and instruction;
  - Establish collaboration between K-12 and postsecondary program providers
  - Develop model programs



# Planning Grant Key Personnel

Stephanie Rowley, Dean, Education and Human Development

Royal Gurley, Superintendent, Charlottesville City Schools

Katina Otey, Chief Academic Officer, Charlottesville City Schools

Rodney Jordan, Principal, Buford Middle School

Jill Dahl, Community Partnerships Liaison, Charlottesville City Schools

Stephanie van Hover, Chair, Curriculum, Instruction, and Special Education

Jennie Chiu, EHD Professor, Science Education

Ben Allen, Director, UVA Equity Center



## Improve Student Outcomes

Developing a  
community of  
practice

Engaging  
students

Making  
meaningful  
community  
connections

Computer and data science education along with community-based partners provide the catalyst to engage students in personally meaningful learning experiences that deepen content-area understanding



## Goals

### **Transform teaching and learning**

Improve student learning outcomes by connecting with community-based partners to learn about career pathways, receive mentoring, and collaborate around solving real-world, interdisciplinary problems facing the community resulting in deep content understanding.

### **Integration of computer science & data science**

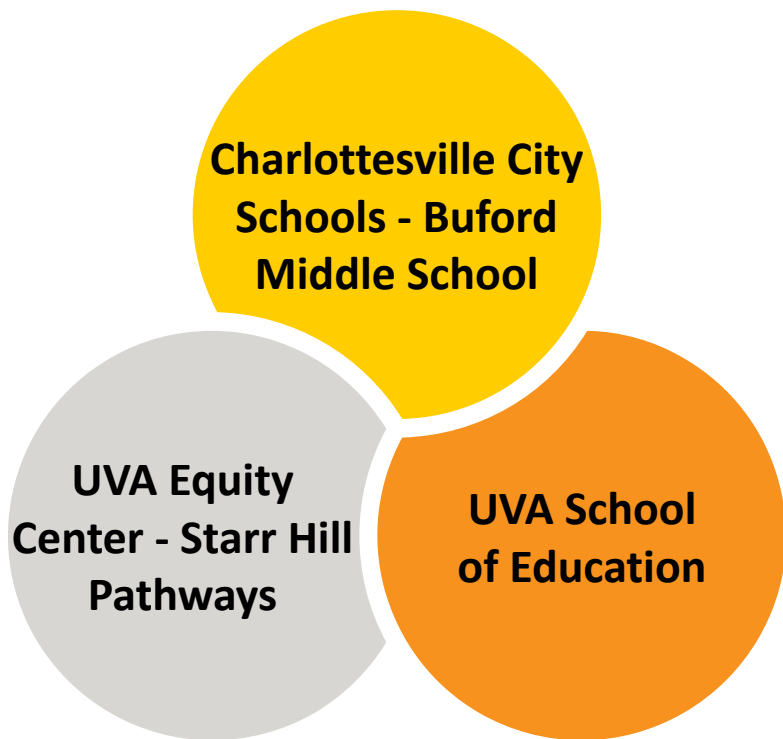
Develop a model for the state and nation for the integration of computer science and data science into core content through innovative pedagogy and curricula.

### **K-8 CS endorsement**

Develop a model for the state and nation for teacher education pathways that provide powerful learning experiences for pre-service and in-service teachers, including potential approaches for a K-8 CS endorsement and teachers gaining knowledge and skills to integrate computing into their practice.



## Partnerships



### Community partners

- Boys and Girls Club of Central VA
- C4K
- Piedmont Virginia Community College
- Tech-Girls

### More UVA partners

- Remaking Middle School
- School of Data Science
- School of Engineering, Department of CS
- Youth-Nex Young Women's Leadership Program



## Next Steps

### Buford

- Rollout plan
- Staffing needs (Lab School Liaison)
- Community connections plan (transportation, timing, mentoring, etc.)

### UVA SEHD

- Ramp up CS ed prep for pre-service teachers
- Prep PD for Lab School teachers
- Determine governing board

### Starr Hill Pathways

- Plan for incorporating Buford lab school participants in summer programming.
- Determine support needed for Buford during the school year