



UVA Innovation Hub at Charlottesville Middle School

Why a lab school?



University of Virginia

- Empower pre- and in-service teachers to unlock powerful student-driven, interdisciplinary, computationally-rich learning experiences.
- Strengthen partnerships with local school divisions.
- Research and share outcomes with the education community.
- Expand pipeline programs in K-12.

Charlottesville City Schools

- Increase middle school student engagement in school and in STEM.
- Provide PD that helps teachers connect different content areas in a way that is relevant to and builds on the assets of their students.
- Increase middle school student performance on state assessments.

What is our lab school vision?



Guiding Principles

Develop a
community
of practice

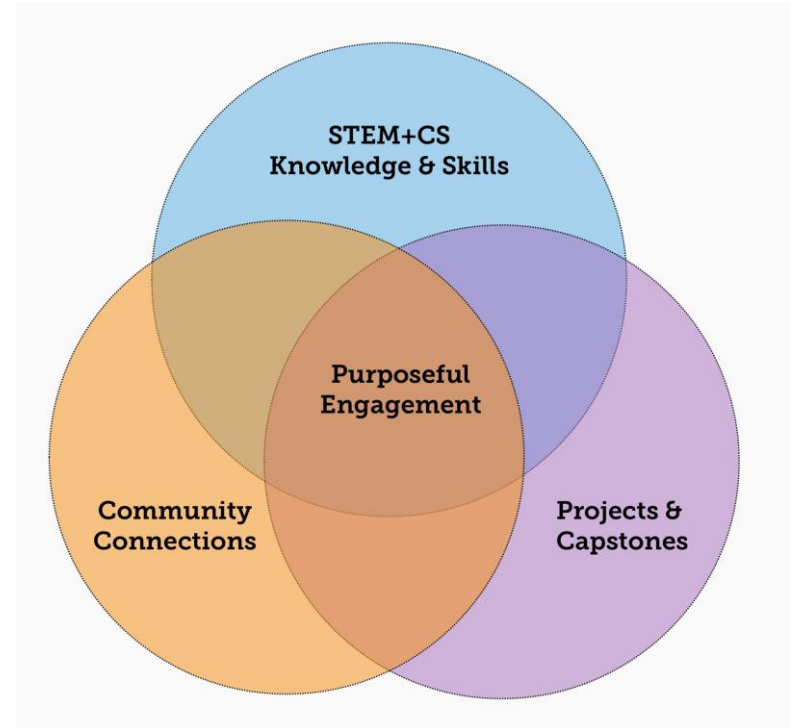
Engage all
students

Make
meaningful
community
connections

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

The **mission** of the UVA Innovation Hub is to **engage all students** in **personally meaningful, computationally-rich and interdisciplinary** learning experiences.

The **vision** of the UVA Innovation Hub is to provide educational opportunities that **inspire curiosity, fuel innovation, and empower all students** to solve problems and pursue lifelong learning.



Charlottesville Middle School

- Innovation Academy Fellowship
- Community partners
- Pre-service teacher placement
- Research
- Substitute teachers
- After-school pathways for students

**UVA
Innovation
Hub**

Science

**Social
Studies**

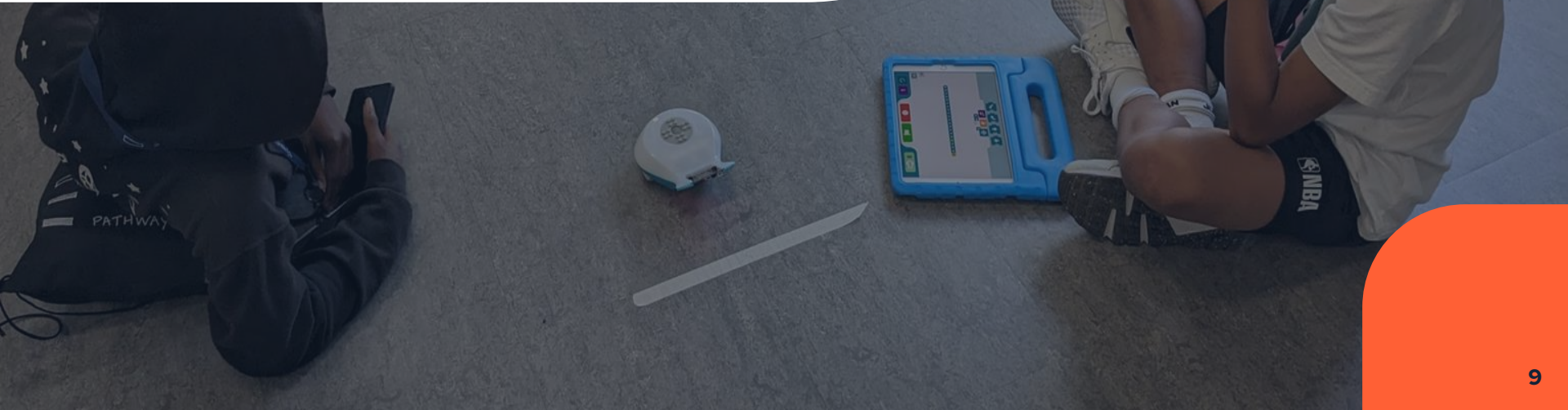
Science

Science

Math

English

How will our lab school operate?



The UVA Innovation Hub Model

6th - Exploratory	7th - Career Exploration	8th - Capstone
300 students scheduled in the UVA Innovation Hub to build skills and project experience (starting Year 3).	300 students scheduled in the UVA Innovation Hub to work on 2 integrated projects in science (starting Year 1).	300 students scheduled in the UVA Innovation Hub to work on science Capstone project (starting Year 2).

UVA	CCS
Curriculum support & delivery Professional development Resources Research and evaluation Mentoring Community connections Collaboration and communication	Student engagement Standard integration Family engagement Feedback Logistics and coordination Teacher engagement and support Facilities Administration

The UVA Innovation Academy Fellowship Experience

Develop a
community
of practice



The UVA Innovation Hub Experience

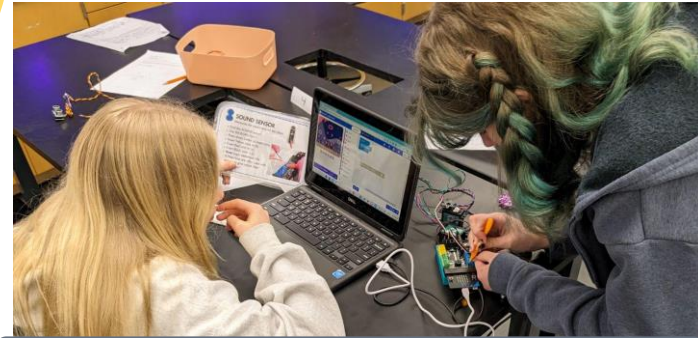


Summer Starr Hill
CS Pathway

Engage all
students

"I am most proud of being able to work with my group and laughing and enjoying it."

"I enjoyed the different hands on activities that were given every day which was a great way to help a beginner like me get an overall idea of this career."



BioBots: Animal Adaptations Project

The UVA Innovation Hub Experience



Sarah from Birdbrain Technologies sharing robot building tips



Charlottesville Community Bikes problem statements



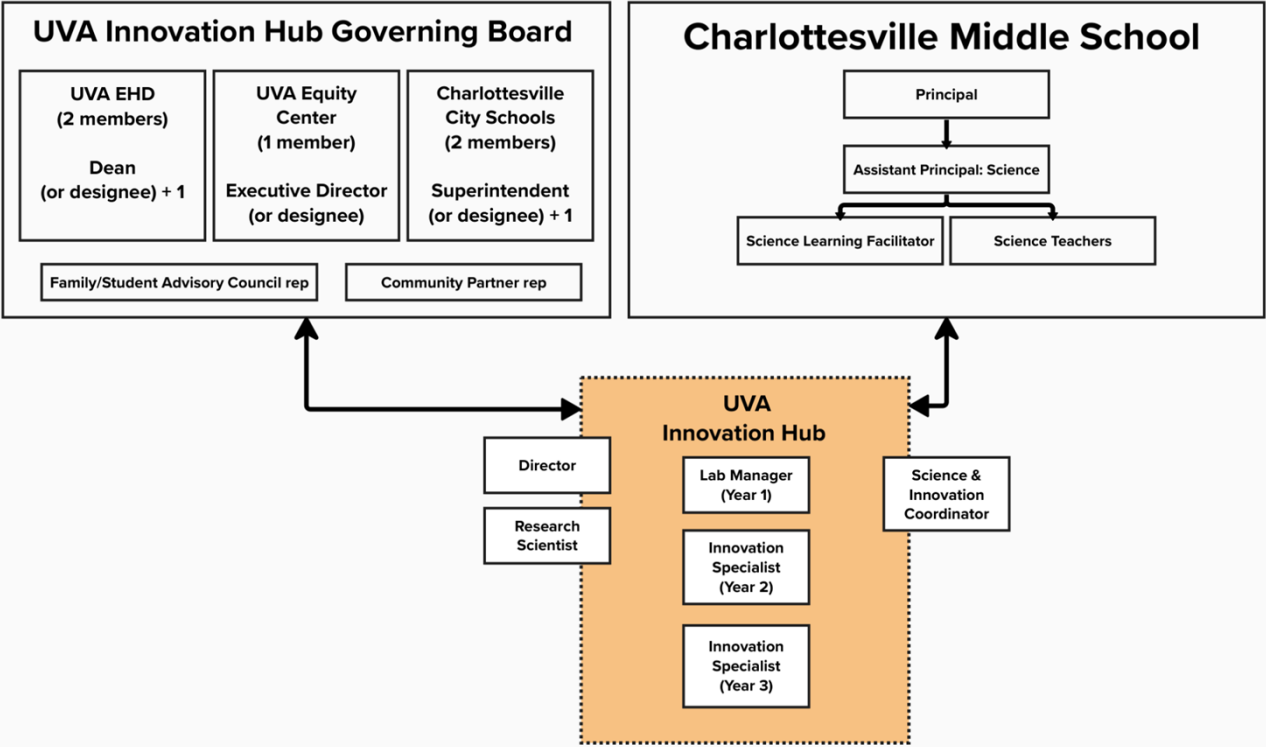
Courtney from Linden Labs sharing game design tips



CS Pathway at WillowTree

Make meaningful community connections

Governing Board



Budget Overview

Description	Year 1	Year 2	Year 3	Year 4	Year 5
Personnel Budget	\$309,196	\$396,564	\$487,428	\$506,924	\$1,286,486
Employee Benefits	\$114,278	\$147,424	\$181,897	\$189,174	\$196,740
Non-personnel Budget	\$287,480	\$240,602	\$273,228	\$273,358	\$273,492
Capital expenditures	\$700,000	\$800,000			
Indirect Costs	\$71,095	\$784,592	\$94,255	\$96,946	\$99,743
ANNUAL TOTAL	\$1,482,049	\$1,663,049	\$1,036,808	\$1,036,808	\$1,097,176
Revenue Projections					
Start-Up Funding	-\$500,000	-\$500,000	\$0	\$0	\$0
Per Pupil Funding	-\$982,049	-\$1,163,049	-\$1,036,808	-\$1,066,402	-\$1,097,176
Total Revenue	-\$1,482,049	-\$1,663,049	-\$1,036,808	-\$1,066,402	-\$1,097,176
<i>Per Pupil Cost Estimates</i>					
Number of Students Served	300	600	900	900	900
Est. Per Pupil Cost	\$3,273	\$1,938	\$1,152	\$1,185	\$1,219

Sustainability

- Engage community stakeholders
- Partner with UVA EHD Foundation
- Secure research funding



Questions