# Computer Science Lab School

CSLS's mission is to empower underrepresented middle school students through transformative opportunities and experiences. With an innovative focus on computer science principles, we cultivate curiosity and cultural awareness, empowering students to actively shape their educational journey.

Our vision is to equip middle school students with a pioneering program of study that will prepare them to excel in high school coursework and confidently navigate the technology talent pipeline.

# Instructional Approach and Innovations

Computer Science Integration

Enhanced Electives

Educator Preparation

Capstone Experiences

Design Thinking & Problem-based Learning

Collaborative Learning Spaces

Community Partnerships

Integrated Research

# Support & Industry Partners

- Tidewater Chapter of the American Society of Naval Engineers (ASNG-TW)
- City of Chesapeake - City Manager's Office
- Amazon
- TMI Technical Solutions
- Hampton Roads Executive Roundtable
- Department of Development, City of Chesapeake
- Hampton Roads Workforce Council
- Hampton Roads Chamber
- Virginia Ship Repair Association

# Budget Summary & Sustainability

| $ in 000's | Yr 0 | Yr 1 | Yr 2 | Yr 3 | Yr 4 | Yr 5 |
|---|---|---|---|---|---|---|
| **Lab School Operating Costs** | | | | | | |
| Personnel | 602 | 855 | 1,000 | 1,023 | 1,042 | 757 |
| Non-personnel Expenses | 145 | 300 | 260 | 260 | 260 | 101 |
| Staff development | 24 | 55 | 65 | 65 | 65 | 24 |
| Equip/Tech/Furniture | 180 | 190 | 175 | 152 | 133 | 12 |
| Admin Fee | 50 | - | | | | |
| **Total Lab School Operating Costs** | **1,000** | **1,400** | **1,500** | **1,500** | **1,500** | **894** |
| *Annual Enrollment (# of pupils)* | | 200 | 300 | 300 | 300 | 300 |
| *Cost per pupil ($)* | | $7,000 | $5,000 | $5,000 | $5,000 | $2,980 |

Braided sustainability approach leveraging our CS & STEM Regional Ecosystem

- Grants
- Development
- Fundraising
- Partnership position base funding
- Institutional commitment

# Outcomes

- CSLS students will work towards achieving the following measurable ***goals***:
  - 95% SOL test participation
  - meet or exceed all state testing requirements
  - acceptance into a specialized program or academy at the high school level
- CSLS students will be prepared for the technology talent pipeline.
- CSLS students will participate in experiential learning opportunities, complete an e-Portfolio, and a culminating project to demonstrate their learning experiences.
- Develop a robust teacher educator pipeline.
- Generate research that will focus on areas such as inter-organizational collaboration, effectiveness of lab schools, teacher and professional learning for lab school success, student learning and engagement, and college and career readiness.

# Response to Considerations

- The budget/financials have been updated to reflect the sustainability plans, including adding additional local contribution and institutional contribution.
- A letter of institutional support has been provided.