



The Academy of Technology and Innovation at UMW

A Lab School Proposal Providing Innovative K-12 Experiences, Support for Teacher Preparation, and Service to the Community

Creating Educational Innovation

Mission: Provide innovative, authentic learning experiences preparing students to leverage computer and data science across academic and economic sectors.

Vision: Cultivate collaborative, innovative, and highly-qualified learners, educators, and community contributors.



History

Political Science

Anthropology

Biology

Art and Design

Theatre

World Languages

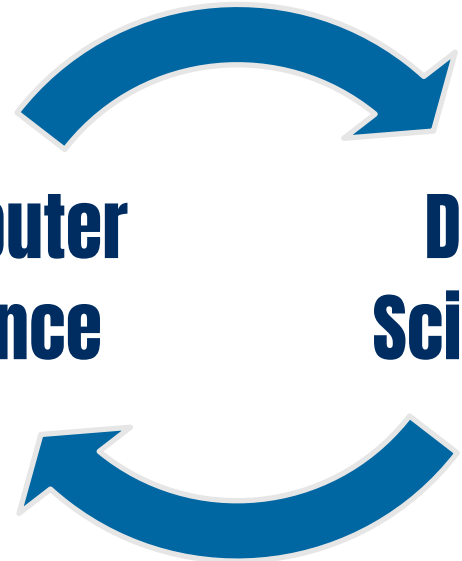
Business

Hospitality and Tourism

Nutrition

Computer
Science

Data
Science



University of
Mary Washington

Instructional Model

Partnership with UMW

Content Area Experts

Teacher Pipeline

College Experience

Interdisciplinary Approach

Integrated Courses and Content Delivery

Data and Computer Science Embedded Across Content Areas

Project Based Learning

Personalized Learning

Independent Study Opportunities

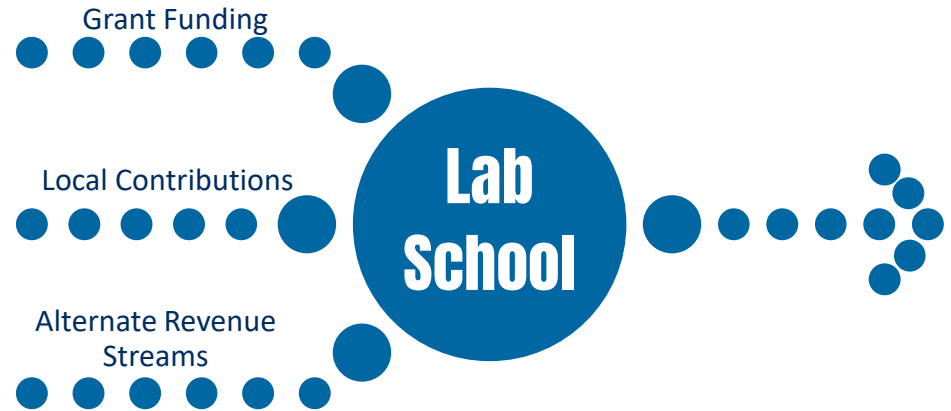
Unique Elective Options

Small School Environment



Sustainability

- Fully sustainable by Year Five through a braided funding approach.
- Any longitudinal investment from the state, competitive grants awarded, or fundraising initiatives would benefit and enhance programming.



Support and Partnerships

Local School
Divisions

Community
Organizations

Business
Partnerships

Higher
Education



Outcomes

K-12 Students

- High academic achievement
- Real world preparation
- Customized pathways

Teacher Preparation & Pipeline

- Professional Development School (teaching hospital)
- Current college of education students and future education

Demonstration Site

- Piloting and developing educational resources
- Support educators across the region in implementation





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