



VISTA

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Mid-Atlantic Environmental Literacy Summit





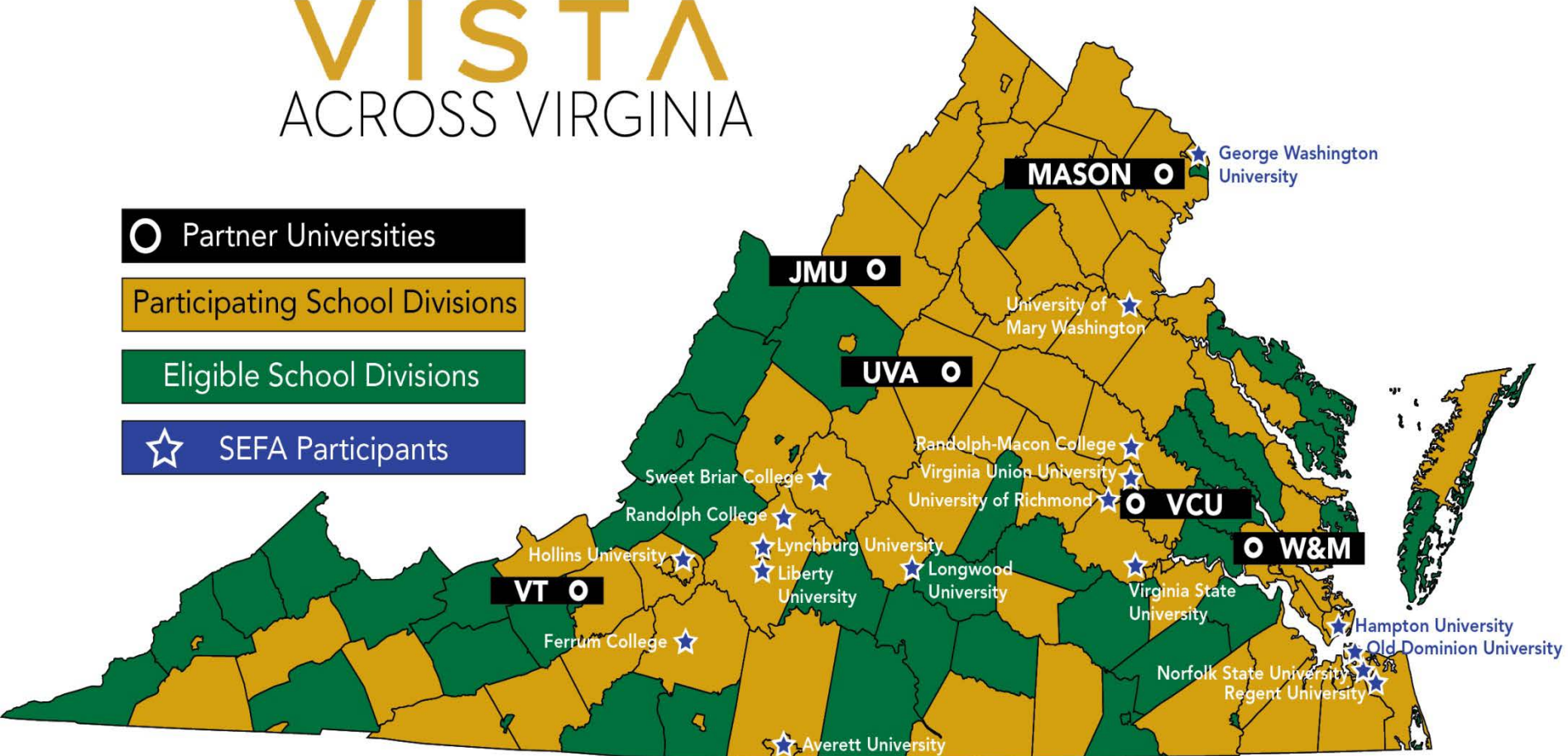
VISTA is Collaborative

- 6 Virginia Universities + Oregon State University
- 80+ Virginia School Divisions
- Virginia Department of Education
- US Dept of Education “Investing in Innovation” (i3) Program
 - 1 of 49 awards out of nearly 1,700 submissions
 - \$34M including \$5.7M Private Sector Matching Requirement
 - (Exemplary Project and Validation Project)



VISTA ACROSS VIRGINIA

- Partner Universities
- Participating School Divisions
- Eligible School Divisions
- ☆ SEFA Participants



VISTA Participants

- 82 of 132 school divisions in Virginia
- 19 of 35 colleges with education programs
- 603 elementary and secondary teachers
- 20,220 students taught by VISTA teachers
- 62 school division science coordinators
- 635,000 students served by science coordinators





Four Main Programmatic Elements





In-depth professional development programs for elementary science teachers

Graduate-level academic certification and support for provisionally licensed middle and high school science teachers

New science coordinator professional development

Collegiate-level professional development for science education faculty



540 elementary teachers who teach 37,000 elementary students will receive:

Month-long
immersion
“Institute”

- More science content
- Problem-based learning
- Teach students in camp
- Curriculum planning

Year of coaching

- VISTA coach

Professional
development

- Annual conference

Online and in-class
resources

- ExploreLearning
- Real science equipment

Validating research: Each teacher is evaluated six different ways throughout the year to validate the impact of “inquiry based” teaching.



300 secondary (middle and high) school teachers will teach 112,000 middle and high school students. Each will receive:

Two graduate
science methods
courses

2 years of
coaching

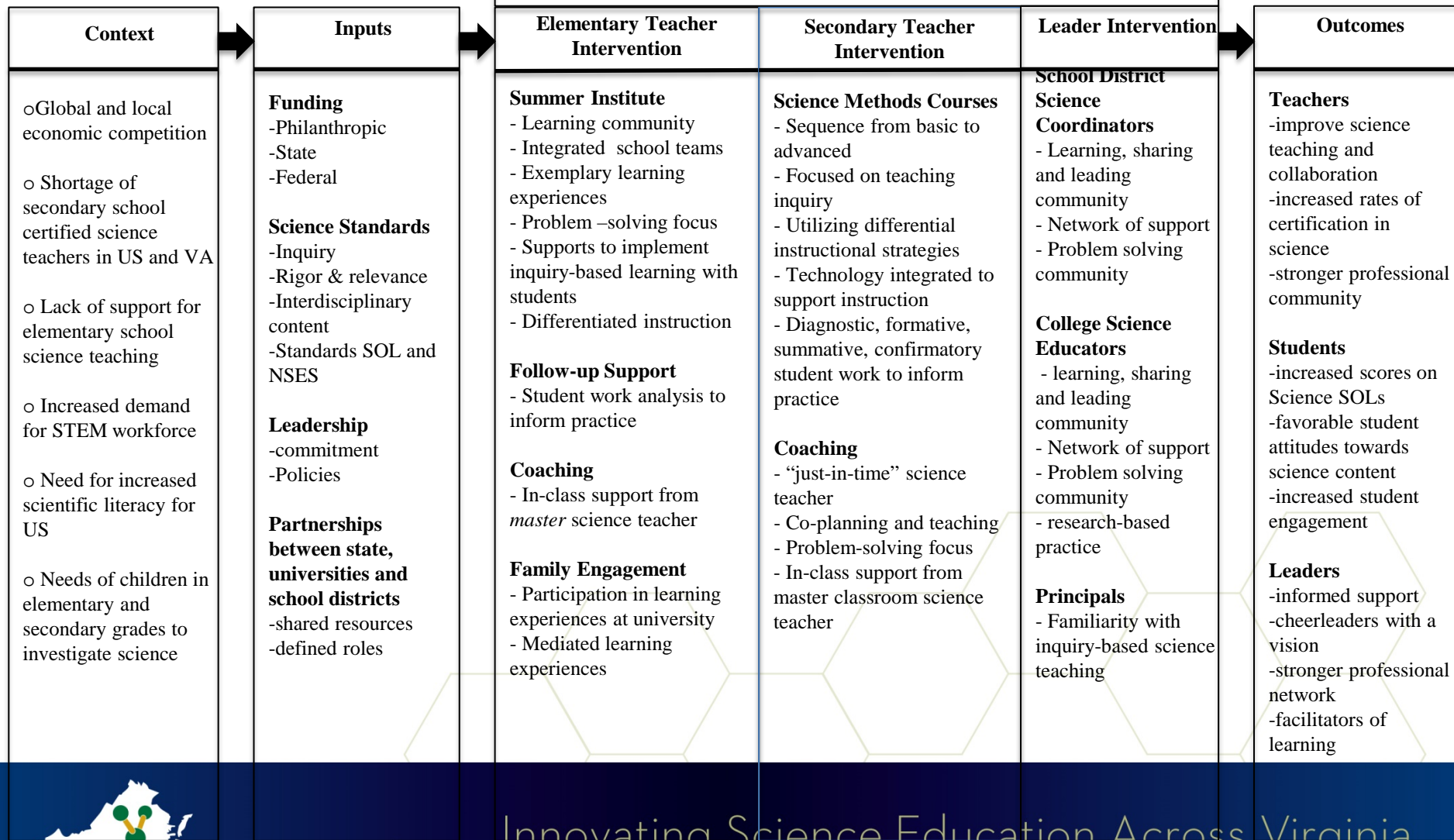
Professional
development

Online and in-
class resources

Validating research: Each teacher is evaluated six different ways throughout 2 years to validate the impact of “inquiry based” teaching.



VISTA Logic Model

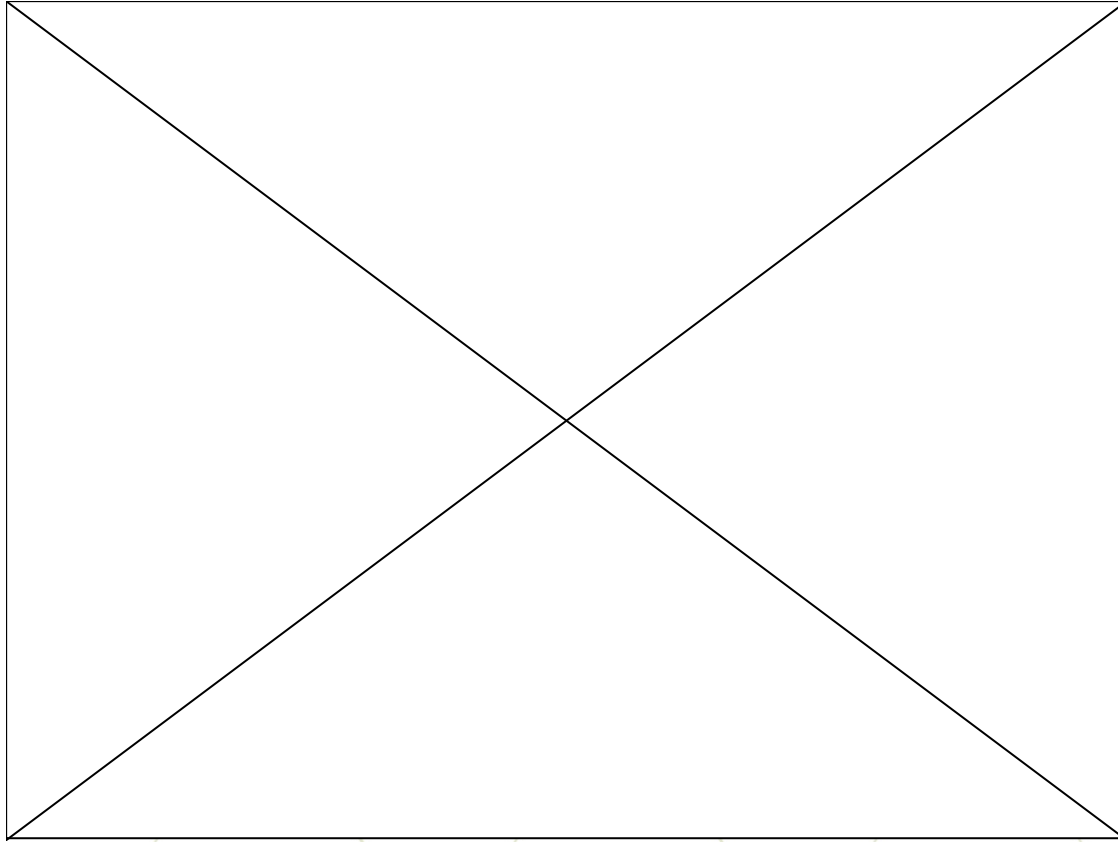


Example 1: Measurement of Human Impact on the Environment

- Problem: How does George Mason University impact the local ecosystem?
- Scenario: Mason is trying to earn the highest level STARS rating. STARS has hired you to go undercover and evaluate the campus. You are to find ecological issues and make recommendations for improvement to Mason.
- Student Role: Junior Ecological Experts (undercover name: SEA Team [secret ecological agents])
- Culminating Project: Report and presentation to STARS committee



What is VISTA?

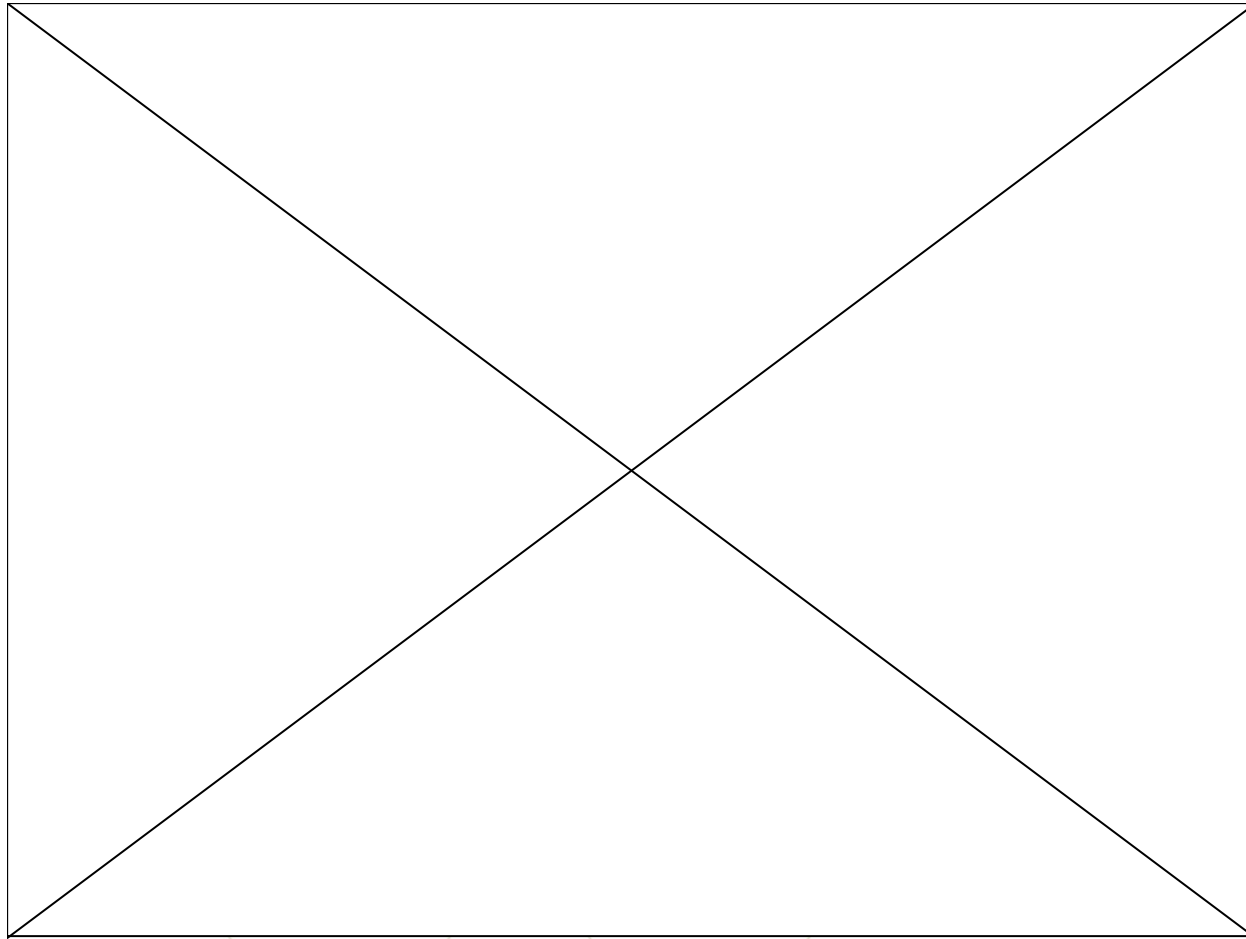


VCU: Energy

- Problem: What alternative forms of energy are available to us in VA and what are the environmental impacts?
- Scenario: The head of Dominion VA Power needs our help! The National Weather Service has predicted that this will be a particularly bad hurricane season for VA. Dominion is very concerned that our current energy supply is not adequate due to recent extended power outages after severe storms. Dominion wants us to find alternative ways to provide energy to our community during these outages. Dominion plans to evaluate your plan as a potential long-term alternative energy plan.
- Student Role: Power Up SEGway
- Culminating Project: 3-D model; present alternative energy sources



VISTA Kids Camp - VCU



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ADDITIONAL SUPPORT PROVIDED BY

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VIST



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