



Richard Bland College
of WILLIAM & MARY

SUMMER STEAM 2017

September, 2017





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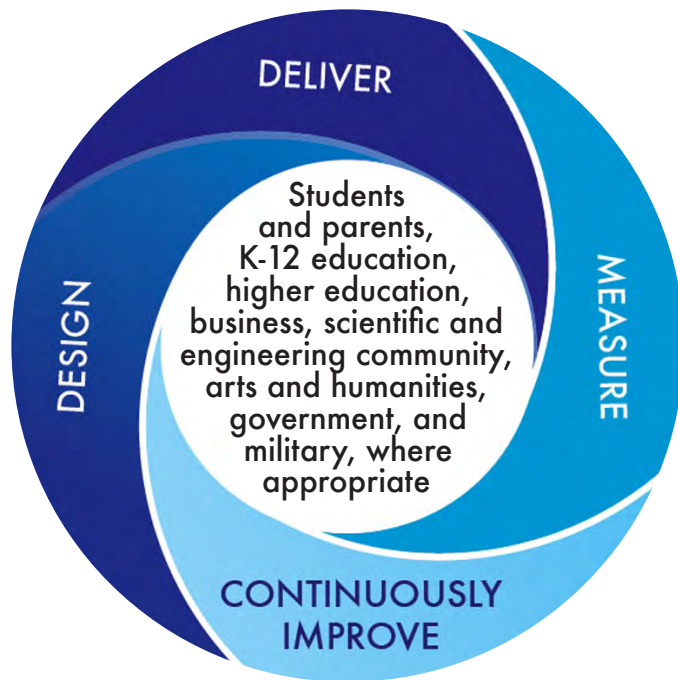
Dr. Judy Stewart

President/CEO, VA STEAM

Mission: To nurture future generations of creative, ethical, and imaginative STEAM leaders who understand and integrate the humanities in their full development



Where intellect and innovation converge for students



COMPONENTS

- (1) Summer Academies
- (2) Professional Development
- (3) Online Learning
- (4) Statewide, Residential High School**

OPPORTUNITY

RBC Hub for STEM Talent Development & Innovation

- Talented juniors and seniors, especially those with financial need, experience rigorous, immersive, early college & career program
- Earn high school diploma and associate's degree
- Pursue STEM certification
- Enter college as something other than a freshman
- Evaluate innovative approaches for high achievement



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OPPORTUNITY





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Dr. David Morgan

**Associate Professor of Physics &
Astronomy**



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Cosmic Mysteries & Universal Forces

One Week Summer Program
for High-Achieving Middle
School Students

Four Courses of Study:
Astronomy, Environmental
Science, Robotics, and
Mathematics

Two Courses Taught by RBC
Professors, Dr. David Morgan
and Dr. Eric Miller

Students in “**Cosmic Mysteries**” learned about the connections between physics and astronomy. Hands-on lab activities introduced concepts in motion, optics, and spectroscopy.

Telescopic observing sessions allowed students to observe the Sun, Moon, Jupiter, and Saturn.

Students also designed and built a mock-up of a permanent Mars base using everyday materials and 3D-printing.





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Dr. Eric Miller

Assistant Professor of Biology



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Environmental Science





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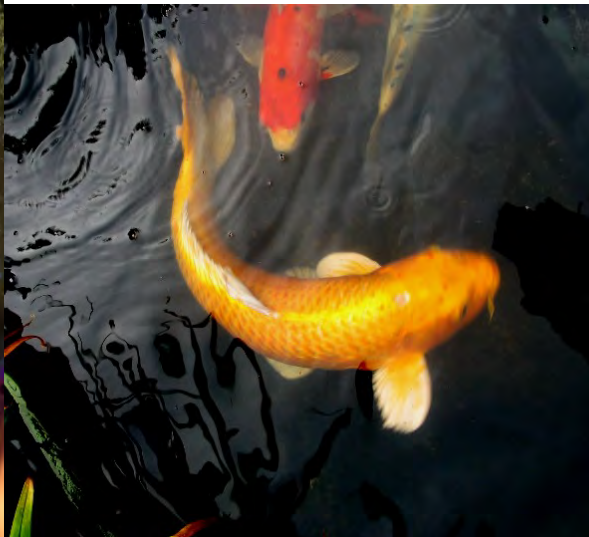
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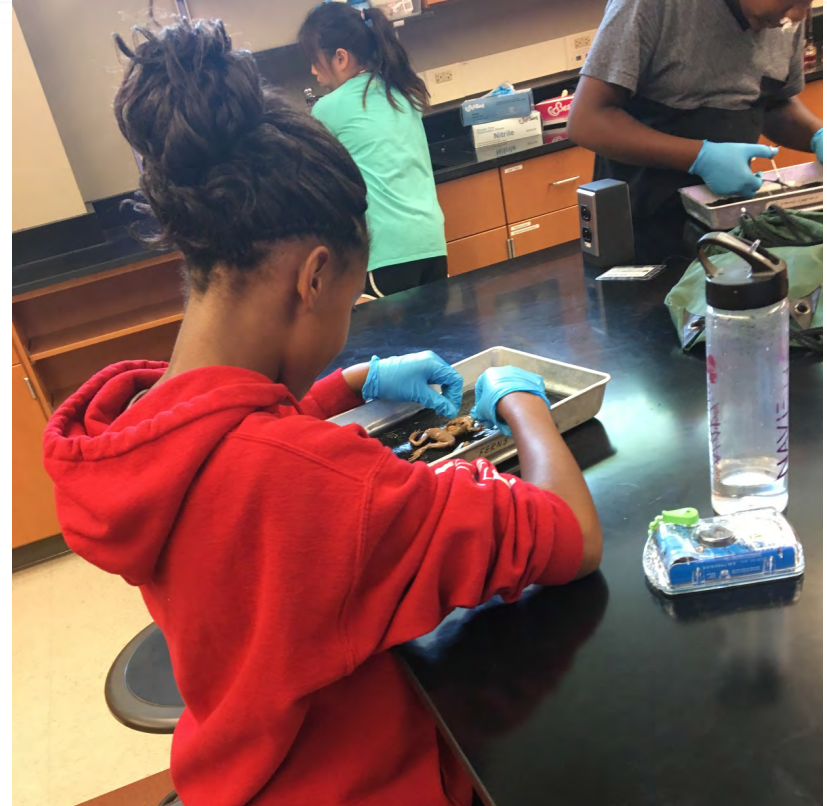




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RBC.EDU

CREATE YOUR JOURNEY



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Photo courtesy: California Department of Public Health



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Thank You

