

South River High School



 A Maryland Blue Ribbon School of Excellence

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CEEB: 210494



2017 School Profile

Components of a STEM Education

Problem Based Learning

Given a scenario, students must come up with a solution using what they can find through research and personal knowledge

Group Collaboration and Communication

Working in heterogeneous groups, students are exposed to different personalities and ideas, learn compromise and build leadership skills

Engaged Students

Students are encouraged to explore their interests and use their own methods for problem solving

Challenging Curriculum

Classes are designed to allow exploration of all STEM fields while pushing students to realize their full academic potential

Real World Connections

Students work on real world situations, in collaboration with business professionals, to solve locally identified problems and on their own to develop a process or product to address a need.



College Matriculation for 2017 Graduates

Anne Arundel Community College	Georgia Institute of Technology
Bowie State University	University of Chicago
Frostburg State University	Northeastern University
Lincoln College of Technology	St. Olaf College
Salisbury University	Duke University
St. Mary's College of Maryland	Gardner-Webb University
Towson University	UNC at Wilmington
University of Maryland, Baltimore County	University of North Dakota
University of Maryland, College Park	University of New Mexico
Washington College	Rochester Institute of Technology
University of Delaware	Case Western Reserve University
Duquesne University	Kenyon College
Virginia Tech	Clemson University
University of California, Los Angeles	SD School of Mines and Technology
Colorado College	The University of Texas
Embry-Riddle Aeronautical University	University of Wisconsin
University of Florida	

Top 25 Engineering Source School
University of Maryland Clark School of Engineering

Graduated Class Size: **82** students

Total Scholarships Awarded for STEM Class of 2017:
over **\$21.7** million

Program Pathways / Pathway Specific Courses

Project Lead the Way **Aerospace Engineering / Civil Engineering**

Honors Engineering Principles
Honors Introduction to Engineering
Honors Digital Electronics
Honors Aerospace Engineering
or Honors Civil Engineering/Architecture
Honors Engineering Design & Development with Internship

Earth & Space Systems

AP Environmental Science or Aeronautics
Advanced Earth Space Missions (NASA Online Course)
Advanced Research & Analysis with Internship

Green Technologies

AP Environmental Science
Advanced Environment in Society
Modern Bio Tech

Computer Science & Theoretical **Applied Mathematics**

AP Computer Science
Advanced Parallel Cloud Computing
Advanced Mathematical & Scientific Model Ghosting
Advanced Research & Analysis with Internship

Nanotechnology & Materials Science

AP Computer Science
Advanced Materials Science
Advanced Nanotechnology Explorations
Advanced Research & Analysis with Internship

