



Chesapeake Bay Governor's School

for Marine and Environmental Science

2016-2017 At-A-Glance

<p>Mission</p>	<p>The Chesapeake Bay Governor's School for Marine & Environmental Science provides a community of 10th – 12th grade learners the opportunity to explore connections among the environment, math, science, and technology. CBGS develops leaders who possess the research, technical skills, and global perspective to address the challenges of a rapidly changing world.</p>	
<p>Application/ Selection</p>	<ul style="list-style-type: none"> • Students are admitted to CBGS in a competitive process, using a selection criterion that includes test scores, GPA, faculty recommendations, and writing sample. • School divisions' selection committees make final determination for selections. 	
<p>Curriculum Focus</p>	<ul style="list-style-type: none"> • Marine and environmental sciences, lab sciences, mathematics, research • Mathematics, science, technology and research woven with marine and environmental science • Student designed scholarly research and professional science communication • Collaboration between content area experts and students • Community partnerships and community service • A two-year independent research project is required of all students 	
<p>Campus Description</p>	<ul style="list-style-type: none"> • Bowling Green Campus: Caroline, King George and King William Counties (62 students) • Glenns Campus at Rappahannock Community College: Gloucester, King and Queen, Mathews, Middlesex, and New Kent Counties (74 students) • Warsaw Campus at Rappahannock Community College: Town of Colonial Beach, Essex, Lancaster, Northumberland, Richmond, and Westmoreland Counties (112 students) • Classroom and lab space to facilitate diverse learning opportunities • Local resources and State Park facilities to support all-site collaboration across all 3 campuses 	
<p>Course Offerings</p> <p>This program provides the opportunity to earn approx. 67 hours of college credit through dual enrollment with Rappahannock Community College.</p>	<ul style="list-style-type: none"> • Lab Sciences: <ul style="list-style-type: none"> ▪ CBGS Biology – 10th grade ▪ CBGS Chemistry – 11th grade ▪ CBGS Physics – 12th grade • Marine & Environmental Science: <ul style="list-style-type: none"> ▪ CBGS Foundations of Science – 10th grade ▪ CBGS Marine & Environmental Science I – 11th grade ▪ CBGS Marine & Environmental Science II – 12th grade ▪ Outdoor Adventures • Mathematics: <ul style="list-style-type: none"> ▪ College Algebra and Pre-Calculus I – 10th grade ▪ Pre-Calculus II and Statistics – 11th grade ▪ Calculus with Analytic Geometry I – 12th grade 	
<p>Instructors</p> <p>B = Biology C = Chemistry M = Mathematics ME = Marine & Environmental P = Physics</p>	<p>Mr. James Beam – ME Ms. Sara Beam – ME Mr. Carlos Disla – ME Mr. Gregory Dorsey – P Mr. Dan Dutton – B, ME Dr. Vinh Hoang – P, M Ms. Julia Jones – M Dr. Mark King – M</p>	<p>Dr. John LeRose – P Mr. Gary Long – C Ms. Stephanie McClain – B Ms. Jennifer Magruder – M Ms. Suzanne Nguyen – C Ms. Kimberlee Olsen – B, ME Mr. Phillip Sanderson – M Ms. Bethany Smith – ME</p> <ul style="list-style-type: none"> • Content area experts holding advanced degrees • Gifted education training or endorsement

For more information, visit: www.cbgs.k12.va.us

The Chesapeake Bay Governor's School does not discriminate on the basis of race, color, national origin, religion, political affiliation, disabilities, or sex.



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Field Courses	<p>Sequence of immersive multi-day field studies illustrates field data collection and experiential learning.</p> <ul style="list-style-type: none"> • 10th Grade: Chesapeake Bay Watershed – Blue Ridge Mountains • 11th Grade: Chesapeake Bay Estuary Exploration – Virginia's Eastern Shore • 12th Grade: Beaches and Barrier Islands – North Carolina Outer Banks
Student Research	<ul style="list-style-type: none"> • Completion of a two-year, self-designed, independent research project is required of all students. • Students consult primary literature to address a research question and design hypotheses. • Research is communicated by way of a formal paper and oral presentation. • Selected students may present research at Virginia Junior Academy of Science Symposium.
Class of 2016 Achievements	<ul style="list-style-type: none"> • Valedictorians: 7 • Salutatorians: 6 • CBGS Environmental Community Service Award: 18 • Associate's Degree: 13 • Scholarships and Grants Earned: over \$1.8 million
Grading	<ul style="list-style-type: none"> • Number and letter grades submitted to home schools' guidance offices for reporting • Weighted credit offered based on individual school division policy • Semester letter grades submitted to Rappahannock Community College for college credit
Diploma/ Transcripts	<ul style="list-style-type: none"> • School Division Diploma with Governor's School Seal • School Division Transcript • RCC Transcript for Dual Enrolled Courses
Governance	<ul style="list-style-type: none"> • Director: Terri L. Perkins – tperkins@cbgs.k12.va.us acts as school administrator • Policies and fiscal oversight are administered by Joint School Board and Superintendents' Steering Committee, with a representative from each partnering school district.
School Day	<ul style="list-style-type: none"> • 2.5 hour Governor's School Daily Instruction • 8:00 a.m. – 10:30 a.m. – student on-site day; 7:30 a.m. – 3:00 p.m. – teacher day • Web based learning management systems provide additional instruction time.
Yearly Schedule	<ul style="list-style-type: none"> • 180 student days; additional instruction on overnight field studies and independent student research • Yearly academic calendar designed to best fit with participating school divisions' calendars • Schoology learning management system used to facilitate online instruction when students cannot be present due to weather, holidays or other circumstances
Transportation	<ul style="list-style-type: none"> • School divisions provide transportation from the student's home high school and return after classes. Check with home high school for more details regarding departure and arrival times.
Policies and Student Guidelines	<ul style="list-style-type: none"> • Compatible with partnering school divisions • Reviewed by superintendents or designees and approved by the Joint Board • For areas not covered by an explicit CBGS policy, that of the fiscal agent school district applies. • The CBGS Director and home school principals have student disciplinary oversight.
Community Partnerships	<ul style="list-style-type: none"> • Rappahannock Community College • Virginia Institute of Marine Science • Friends of the Rappahannock • Water Quality Testing of several local waterways • Educational outreach to local elementary and middle schools • Educational outreach at local festivals and events
Community Service	<p>All students are encouraged to serve their community through various community service projects.</p> <ul style="list-style-type: none"> • Students can earn the CBGS Community Service award by completing a minimum of 60 hours environmental and 60 hours non-environmental community service. • Students can apply hours toward earning the Presidential Volunteer Service Award.