



Chesapeake Bay Governor's School

for Marine and Environmental Science

Field Courses	<p>Sequence of immersive multi-day field studies illustrates 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.
Achievements	<ul style="list-style-type: none"> • Over three-fourths of our students rank in the top 10% of their class (with multiple district valedictorians & salutatorians attending CBGS.) • Selected as one of <i>Virginia Living's</i> "Top High Schools and Colleges" • Ten years as a "Virginia Naturally School" for environmental stewardship and education • Scholarships & grants earned by CBGS students: over \$2.2 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
School Day	<ul style="list-style-type: none"> • 2.5 hour daily instruction; plus field work hours on occasional school days • 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 & independent research • Yearly academic calendar designed to best fit with participating school divisions' calendars • 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.



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At-A-Glance

<p>Description and Mission</p>	<p>CBGS is one of 19 governor's schools in the state of Virginia. We are a shared-day program – students take mathematics and science with us, and humanities and electives at their high schools. CBGS students are <i>selected</i> to attend; and our school promotes rigor in teaching and learning. Every class at CBGS is dual enrollment, taught by instructors with master's or doctoral degrees, credentialed to teach at both the high school and community college levels. Students not only take an advanced course of studies at CBGS, but also conduct and present authentic scientific research.</p> <p>Our mission is to provide a community of 10th – 12th grade learners the opportunity to explore connections among the environment, mathematics, 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 determinations for admission. Students who do not maintain adequate achievement may be dismissed from the program.
<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>Governance</p>	<ul style="list-style-type: none"> Director: Dr. Rachel P. Ball - rball@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.
<p>Campus Description</p>	<ul style="list-style-type: none"> Bowling Green Campus: Caroline, King George and King William Counties (approx. 60 students) Glenns Campus at Rappahannock Community College: Gloucester, King and Queen, Mathews, Middlesex, and New Kent Counties (approx. 75 students) Warsaw Campus at Rappahannock Community College: Town of Colonial Beach, Essex, Lancaster, Northumberland, Richmond, and Westmoreland Counties (approx. 110 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>CBGS provides the opportunity to earn at least 60 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 (PE) Mathematics: <ul style="list-style-type: none"> CBGS Algebra III/Advanced Mathematics (with Algebra II) – 10th grade CBGS Trigonometry/Pre-Calculus <i>and</i> Statistics – 11th grade CBGS Calculus– 12th grade

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.