



# Chesapeake Bay Governor's School

## for Marine and Environmental Science

### 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 selected to attend this rigorous learning program. Every class at CBGS is taught for dual enrollment by instructors with masters or doctoral degrees, credentialed to teach at both the high school and community college levels. Students take an advanced course of studies at CBGS while also conducting authentic scientific research to present their senior year.</p> <p>Our mission is to provide a community of 10<sup>th</sup> – 12<sup>th</sup> 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"> <li><input type="checkbox"/> Students are admitted to CBGS in a competitive process utilizing selection criteria that includes test scores, GPA, faculty recommendations, and a writing sample.</li> <li><input type="checkbox"/> School divisions' selection committees make final determinations for admission.</li> <li><input type="checkbox"/> Students who do not maintain adequate achievement may be dismissed from the program.</li> </ul>
<p>Curriculum Focus</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Mathematics, labsciences, technology and research woven with marine and environmental science</li> <li><input type="checkbox"/> Student-designed scholarly research and professional science communication</li> <li><input type="checkbox"/> Collaboration between content area experts and students</li> <li><input type="checkbox"/> Community partnerships and community service</li> <li><input type="checkbox"/> A two-year independent research project is required of all students</li> </ul>
<p>Governance</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Director Dr. Jason Strong (<a href="mailto:jstrong@cbgs.k12.va.us">jstrong@cbgs.k12.va.us</a>) acts as school administrator.</li> <li><input type="checkbox"/> Policies and fiscal oversight are administered by a Joint School Board and Superintendents Steering Committee with a representative from each partnering school district.</li> </ul>
<p>Campus Description</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Bowling Green Campus:</b> Caroline, King George, and King William Counties (approx. 60 students)</li> <li><input type="checkbox"/> <b>Glenns Campus</b> at Rappahannock Community College: Gloucester, King and Queen, Mathews, Middlesex, and New Kent Counties (approx. 70 students)</li> <li><input type="checkbox"/> <b>Warsaw Campus</b> at Rappahannock Community College: Town of Colonial Beach, Essex, Lancaster, Northumberland, Richmond, and Westmoreland Counties (approx. 110 students)</li> <li><input type="checkbox"/> Classroom and lab space to facilitate diverse learning opportunities</li> <li><input type="checkbox"/> Local resources and State Park facilities to support all-site collaboration across all 3 campuses</li> </ul>
<p>Course Offerings</p> <p>CBGS provides the opportunity to earn at least 56 hours of college credit through dual enrollment with Rappahannock Community College.</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Lab Sciences:             <ul style="list-style-type: none"> <li>• CBGS Biology – 10<sup>th</sup> grade</li> <li>• CBGS Chemistry – 11<sup>th</sup> grade</li> <li>• CBGS Physics – 12<sup>th</sup> grade</li> </ul> </li> <li><input type="checkbox"/> Marine &amp; Environmental Science:             <ul style="list-style-type: none"> <li>• CBGS Foundations of Science – 10<sup>th</sup> grade</li> <li>• CBGS Marine &amp; Environmental Science I – 11<sup>th</sup> grade</li> <li>• CBGS Marine &amp; Environmental Science II – 12<sup>th</sup> grade</li> <li>• Outdoor Adventures (PE)</li> </ul> </li> <li><input type="checkbox"/> Mathematics:             <ul style="list-style-type: none"> <li>• CBGS Algebra III/Advanced Mathematics (with Algebra II) – 10<sup>th</sup> grade</li> <li>• CBGS Trigonometry/Pre-Calculus – 11<sup>th</sup> grade</li> <li>• CBGS Calculus – 12<sup>th</sup> grade</li> </ul> </li> </ul>

For more information, visit: [www.cbgs.k12.va.us](http://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 <a href="#">multi-day field studies</a> illustrate data collection and experiential learning.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 10<sup>th</sup> Grade: Chesapeake Bay Watershed – Blue Ridge Mountains</li> <li><input type="checkbox"/> 11<sup>th</sup> Grade: Chesapeake Bay Estuary Exploration – Virginia’s Eastern Shore</li> <li><input type="checkbox"/> 12<sup>th</sup> Grade: Beaches and Barrier Islands – North Carolina’s Outer Banks</li> </ul>
Student Research	<ul style="list-style-type: none"> <li><input type="checkbox"/> Completion of a two-year, self-designed, independent research project is required of all students.</li> <li><input type="checkbox"/> Students consult primary literature to address a research question and design hypotheses.</li> <li><input type="checkbox"/> Research is communicated by way of a formal paper and oral presentation.</li> <li><input type="checkbox"/> Selected students may present research at Virginia Junior Academy of Science Symposium.</li> </ul>
Achievements	<ul style="list-style-type: none"> <li><input type="checkbox"/> Over three-fourths of our students rank in the top 10% of their class (with multiple district valedictorians and salutatorians attending CBGS.)</li> <li><input type="checkbox"/> Selected as one of <i>Virginia Living’s</i> “Top High Schools and Colleges”</li> <li><input type="checkbox"/> Fifteen years as a “Virginia Naturally School” for environmental stewardship and education</li> <li><input type="checkbox"/> Over \$2.2 million scholarships and grants awarded to CBGS students</li> </ul>
Grading	<ul style="list-style-type: none"> <li><input type="checkbox"/> Number and letter grades submitted to school guidance offices for reporting</li> <li><input type="checkbox"/> Weighted credit offered based on individual school division policy</li> <li><input type="checkbox"/> Semester letter grades submitted to Rappahannock Community College for college credit</li> </ul>
Diploma/ Transcripts	<ul style="list-style-type: none"> <li><input type="checkbox"/> School Division Diploma with Governor’s School Seal</li> <li><input type="checkbox"/> School Division Transcript     <input type="checkbox"/> RCC Transcript for Dual Enrolled Courses</li> </ul>
School Day	<ul style="list-style-type: none"> <li><input type="checkbox"/> 2.5 hour daily instruction; plus field work hours on occasional school days</li> <li><input type="checkbox"/> 8:00 a.m. – 10:30 a.m. – student on-site day; 7:30 a.m. – 3:00 p.m. – teacher day</li> <li><input type="checkbox"/> Web-based learning management system provide additional instruction time.</li> </ul>
Yearly Schedule	<ul style="list-style-type: none"> <li><input type="checkbox"/> 180 student days; additional instruction on overnight field studies and for independent research</li> <li><input type="checkbox"/> Yearly academic calendar designed to best fit with participating school divisions’ calendars</li> <li><input type="checkbox"/> Learning management system used to facilitate online instruction when students cannot be present due to weather, holidays or other circumstances</li> </ul>
Transportation	<ul style="list-style-type: none"> <li><input type="checkbox"/> School divisions provide transportation from the student’s high school and back after classes. Check with high school for more details regarding departure and arrival times.</li> </ul>
Policies and Student Guidelines	<ul style="list-style-type: none"> <li><input type="checkbox"/> Compatible with partnering school divisions</li> <li><input type="checkbox"/> Reviewed by superintendents or designees and approved by the Joint School Board</li> <li><input type="checkbox"/> For areas not covered by CBGS policy, that of the fiscal agent school district (Middlesex) applies.</li> <li><input type="checkbox"/> The CBGS Director and high school principals have student disciplinary oversight.</li> </ul>
Community Partnerships	<ul style="list-style-type: none"> <li><input type="checkbox"/> Rappahannock Community College</li> <li><input type="checkbox"/> Virginia Institute of Marine Science</li> <li><input type="checkbox"/> Friends of the Rappahannock</li> <li><input type="checkbox"/> Menokin</li> <li><input type="checkbox"/> Water quality testing of several local waterways</li> <li><input type="checkbox"/> Educational outreach to local elementary and middle schools</li> <li><input type="checkbox"/> Educational outreach at local festivals and events</li> </ul>
Community Service	<p>All students are encouraged to serve their community through various community service projects.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Students can earn the CBGS Community Service award by completing a minimum of 60 hours environmental and 60 hours non-environmental community service.</li> <li><input type="checkbox"/> Students can apply hours toward earning the Presidential Volunteer Service Award.</li> </ul>