



Chesapeake Bay Governor's School

for Marine and Environmental Science

At-A-Glance	
Description and Mission	CBGS is one of 20 Academic Year 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 via a competitive application process to attend this rigorous learning program. CBGS classes are taught for dual enrollment credit 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. 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.
Application/ Selection	- Students are admitted to CBGS in a competitive process utilizing selection criteria that includes test scores, GPA, faculty recommendations, and a writing sample. - School divisions' selection committees make final determinations for admission. - Students who do not maintain adequate achievement may be dismissed from the program.
Curriculum Focus	- Mathematics, lab sciences, 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
Governance	- Director Dr. Rob Wright (rwright@cbgs.k12.va.us) acts as school administrator. - Policies and fiscal oversight are administered by a Joint School Board and Superintendents' Steering Committee, with representatives from each partnering school district.
Campus Description	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. 70 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
Course Offerings and RCC Course Codes <i>CBGS provides the opportunity to earn 51 hours of college credit through dual enrollment with Rappahannock Community College.</i>	- Lab Sciences: - CBGS Biology (BIO 101/102) – 10th grade - CBGS Chemistry (CHEM 111) – 11th grade - CBGS Physics (PHYS 201) – 12th grade - Marine & Environmental Science: - CBGS Foundations of Science (SCT 111/112) – 10th grade - CBGS Marine & Environmental Science I (MAR 201/202) – 11th grade - CBGS Marine & Environmental Science II (MAR 101/102) – 12th grade - Mathematics: - CBGS Algebra III/Advanced Mathematics (MTH 161) – 10th grade - CBGS Trigonometry/Pre-Calculus (MTH 162) – 11th grade - CBGS Calculus (MTH 263) – 12th grade - College Success Skills (SDV 100) – 10th grade

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



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Field Studies	Sequence of immersive multi-day field studies illustrate data collection and experiential learning. 10th Grade: Chesapeake Bay Watershed – Blue Ridge Mountains, Shenandoah National Park 11th Grade: Chesapeake Bay Estuary Exploration – Virginia's Eastern Shore or New Point Comfort 12th Grade: Beaches and Barrier Islands – North Carolina's Outer Banks
Student Research	- 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	- Over three-fourths of our students rank in the top 10% of their class (with multiple district valedictorians and salutatorians attending CBGS.) - Selected as one of <i>Virginia Living's</i> "Top High Schools and Colleges" - Eighteen years as a "Virginia Naturally School" for environmental stewardship and education - Over \$3.8 million in scholarships and grants awarded to CBGS students
Grading	- Number and letter grades submitted to school 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	- School Division Diploma with Governor's School Seal - School Division Transcript and RCC Transcript for Dual Enrolled Courses
School Day	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 system provides additional instruction time.
Yearly Schedule	180 student days; additional instruction on overnight field studies and for 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	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.
Policies and Guidelines	- Compatible with partnering school divisions - Reviewed by superintendents or designees and approved by the Joint School Board - For areas not covered by CBGS policy, that of the fiscal agent school district (Middlesex) applies. - The CBGS Director and high school principals have student disciplinary oversight.
Community Partnerships	- Rappahannock Community College - Virginia Institute of Marine Science - Friends of the Rappahannock - Menokin - Water quality testing of several local waterways - Educational outreach to local elementary and middle schools - Educational outreach at local festivals and events
Community Service	All students are encouraged to serve their community through various community service projects. Students can earn the CBGS Community Service Award by completing a minimum of 60 hours environmental and 60 hours non-environmental community service.