



## Governor's School for Science, Math & Technology

| 2010-2011                                  | MOUNTAIN VISTA Governor's School At-a-Glance  |
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| <b>Mission</b>                             | The mission of Mountain Vista Governor's School is to present a research-based, technology-enhanced, integrated program in Mathematics, Science, and the Humanities. The program will challenge students to reach their full potential as independent thinkers capable of assuming leadership roles in a constantly changing global society.  |
| <b>School Day</b>                          | <ul style="list-style-type: none"> <li>• 4.5 hour Governor's School daily instruction</li> <li>• 7:30 a.m.-11:00 a.m.- student on-site day</li> <li>• 7:15 a.m. – 2:45 p.m. teacher day</li> <li>• 1 day a week for Focused Learning Experiences (FLEX) e.g. laboratory, research, field experiences, guest speakers, etc.)</li> <li>• Web-communication systems to provide additional instructional time</li> </ul>  |
| <b>Yearly Schedule</b>                     | <ul style="list-style-type: none"> <li>• 180-day minimum</li> <li>• Yearly academic calendar designed for best fit with divisions' calendars</li> <li>• Web-communication systems utilized when some students can not be present due to weather, holidays, or other circumstances</li> </ul>  |
| <b>Number of Students and Grade Levels</b> | <ul style="list-style-type: none"> <li>• Middletown Site—66+ high school students</li> <li>• Warrenton Site—49+ high school students</li> <li>• 10<sup>th</sup> grade and 9<sup>th</sup> grade programs to be added in the future pending funding and space</li> </ul>  |
| <b>Site Description</b>                    | <ul style="list-style-type: none"> <li>• Two sites at Lord Fairfax Community College (LFCC)               <ul style="list-style-type: none"> <li>▪ Fauquier Campus to serve Culpeper, Fauquier, and Rappahannock</li> <li>▪ Middletown Campus to serve Frederick, Warren, and Winchester City</li> </ul> </li> <li>• Sites connected by video conferencing for two-way interaction among teachers and students</li> <li>• Lecture and presentation rooms, including the compressed video distance learning classroom</li> <li>• Lab facilities to support project-based and technology-enhanced learning opportunities</li> <li>• LFCC Special Events Center/Barn to support joint collaborative group sessions</li> </ul>  |
| <b>Curriculum Focus</b>                    | <ul style="list-style-type: none"> <li>• Science, Mathematics, Humanities, Research</li> <li>• Emphasis on interdisciplinary connections</li> <li>• Scholarly research with authentic application</li> <li>• Collaboration among faculty and students</li> <li>• Community partnerships</li> <li>• Technology integration into all aspects of learning</li> <li>• All Humanities and Research courses are required</li> </ul>   |
| <b>Course Offerings</b>                    | <ul style="list-style-type: none"> <li>• Science:               <ul style="list-style-type: none"> <li>▪ MVGS Physics I: Mechanics</li> <li>▪ MVGS Physics II: Electricity and Magnetism</li> <li>▪ MVGS Environmental Science</li> </ul> </li> <li>• Mathematics:               <ul style="list-style-type: none"> <li>▪ MVGS First Year Calculus</li> <li>▪ MVGS Second Year Calculus with Topics in Multivariable</li> <li>▪ MVGS Statistics</li> <li>▪ MVGS Linear Algebra with Special Topics</li> </ul> </li> <li>• Humanities:               <ul style="list-style-type: none"> <li>▪ MVGS Humanities I: The Power of Thought / English 11</li> <li>▪ MVGS Humanities II: Applying the Power of Persuasion to World Issues /Government</li> </ul> </li> <li>• Research:               <ul style="list-style-type: none"> <li>▪ MVGS Research I: Introduction to the Fundamentals of the Research Process</li> <li>▪ MVGS Research Course II: Exploration of Cutting-Edge Science and Technology Fields (Applied Research)</li> </ul> </li> </ul> |

This program provides the opportunity to earn approximately 30 hours of college credit each year through dual enrollment. Students also have the opportunity to choose to take Advanced Placement Examinations.



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| <b>Instructor Qualifications</b>               | <ul style="list-style-type: none"> <li>• Content-area expertise</li> <li>• Advanced degrees</li> <li>• Gifted education training/endorsement opportunity to be provided through staff development</li> </ul>  |
| <b>Instructors</b>                             | <p>Middletown Site</p> <ul style="list-style-type: none"> <li>• Allen Burton—Physics</li> <li>• Amanda Harrington—Humanities/Government</li> <li>• Benjamin Hess—Mathematics</li> </ul> <p>Warrenton Site</p> <ul style="list-style-type: none"> <li>• Lindsay Hayes—Humanities/Government</li> <li>• Clelia LaMonica—Physics/Environmental Science</li> <li>• Angelyn Reinbold—Mathematics</li> </ul> <p>Shared between sites</p> <ul style="list-style-type: none"> <li>• John Dietrich—Research/Environmental Science</li> <li>• Dr. Alice Felts—Research/Humanities/Government</li> </ul>                       |
| <b>Grading</b>                                 | <ul style="list-style-type: none"> <li>• Letter grades submitted to base school's guidance offices for reporting</li> <li>• Weighted credit offered based on individual school division policy</li> </ul>   |
| <b>Diploma/Transcripts</b>                     | <ul style="list-style-type: none"> <li>• School Division Diploma with Virginia Academic-Year Governor's School Seal</li> <li>• School Division Transcript</li> <li>• LFCC transcript for dual enrolled courses</li> </ul>   |
| <b>Guidance Services</b>                       | <ul style="list-style-type: none"> <li>• Counseling services provided at the base school. Students have a MVGS faculty advisor.</li> </ul>  |
| <b>Administration</b>                          | <ul style="list-style-type: none"> <li>• Director: Rosanne Williamson, Ed.D. <a href="mailto:rwilliamson@lfcc.edu">rwilliamson@lfcc.edu</a> <ul style="list-style-type: none"> <li>– Provides instructional leadership</li> <li>– Establishes policies and regulatory procedures (in collaboration with the Governing Board)</li> <li>– Coordinates community outreach</li> </ul> </li> <li>• Office Manager: DeAnne Wilmore <a href="mailto:dwilmore@lfcc.edu">dwilmore@lfcc.edu</a></li> <li>• Office Assistant at Middletown Site: Vanessa Lewis <a href="mailto:vlewis@lfcc.edu">vlewis@lfcc.edu</a></li> </ul> |
| <b>Community Support</b>                       | <ul style="list-style-type: none"> <li>• Lord Fairfax Community College</li> <li>• MVGS Foundation</li> <li>• Partnerships with other higher level education institutions, corporations, associations, and individuals</li> </ul>   |
| <b>Summer Programs</b>                         | <ul style="list-style-type: none"> <li>• New Student Orientation (August 9 &amp; 10, 2010)</li> <li>• Summer Enrichment Opportunities</li> </ul>  |
| <b>Distance Learning</b>                       | <ul style="list-style-type: none"> <li>• Real-time multi-site interaction for teachers and students</li> <li>• Web-communication to expand time for student-teacher interaction</li> <li>• Possible use of on-line courses to meet individual needs</li> <li>• Virtual field experiences to enhance classroom learning environment</li> </ul>   |
| <b>Fiscal Agent plus Administration Policy</b> | <ul style="list-style-type: none"> <li>• Personnel and purchasing through Fauquier County School Board</li> </ul>   |
| <b>Application/Selection</b>                   | <ul style="list-style-type: none"> <li>• Standard Application Packet using a multi-criteria format</li> <li>• School divisions' selection committees</li> </ul>   |
| <b>Transportation</b>                          | <ul style="list-style-type: none"> <li>• School divisions provide transportation from base schools to Lord Fairfax Community College Campus</li> </ul>  |
| <b>Student Code of Conduct</b>                 | <ul style="list-style-type: none"> <li>• Compatible with Lord Fairfax Community College and school divisions' codes of conduct</li> <li>• Base school administration responsible for administering disciplinary action based on school division student conduct policy and procedures</li> </ul>  |

*Mountain Vista Governor's School: Soaring above and beyond in regional cooperation and excellence in education while serving the communities of Culpeper, Fauquier, Frederick, Rappahannock, Warren, and Winchester City.*  
 Most up-to-date information available at [www.mvgshome.org](http://www.mvgshome.org)