

Application Packet 2019 Admissions



Serving Clarke County, Culpeper County, Fauquier County, Frederick County, Rappahannock County, Warren County, and Winchester City



2019 Application Packet

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2019-2020	Mountain Vista Governor's School At-a-Glance
Mission	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.
School Day	 4.5 hour Governor's School daily instruction 7:30 a.m 11:00 a.m student on-site day 1 day a week for FLEX Experiences such as seminars, field experiences, special events Web-communication systems to provide additional instructional time
Yearly Schedule	 Yearly academic calendar designed for best fit with participating divisions' calendars Web-communication systems utilized when some students cannot be present due to weather, holidays, or other circumstances
Number of Students and Grade Levels	 Middletown Site—100+ high school students Warrenton Site—100+ high school students Includes 10th grade program which was added for SY 2016-17
Site Description	 Two sites at Lord Fairfax Community College (LFCC) Fauquier Campus to serve Culpeper, Fauquier, and Rappahannock Middletown Campus to serve Clarke, Frederick, Warren, and Winchester City Sites connected by technology for two-way interaction among teachers and students Lab facilities to support project-based and technology-enhanced learning opportunities
Curriculum Focus	 Science, Mathematics, Humanities, Research Emphasis on interdisciplinary connections Scholarly research with authentic application Collaboration among faculty and students with community partnerships Technology integration in all aspects of learning Opportunity to earn approximately 45 hours of college credit in 3 years through dual enrollment as well as take selected Advanced Placement Examinations.
Instructor Qualifications	 Content-area expertise with extensive teaching experience Advanced degrees including gifted education training/endorsement
Diploma/Transcripts	 School Division diploma with Virginia Academic-Year Governor's School Seal School Division transcript in addition to LFCC transcript for dual enrolled courses
Guidance Services	• College admission and scholarship counseling provided by MVGS counselors in addition to base school counseling support.
Community Support	 Lord Fairfax Community College MVGS Foundation 501(c)3 and MVPTO (parent support group)
Summer Programs	 New Student Orientation (August 2019) Summer Enrichment Opportunities
Distance Learning	 Web-communication to expand time for student-teacher interaction Possible use of on-line courses to meet individual needs Virtual research experiences to enhance classroom learning environment
Application/Selection	 Standard Application Packet using a multi-criteria format School divisions' selection committees select students to attend
Transportation	School divisions provide transportation from base schools to LFCC

Mountain Vista Governor's School* 6480 College Street* Warrenton, VA 20197

540-347-6237*540-868-7238

Director: Dr. Rosanne F. Williamson rwilliamson@mvgshome.org Most up-to-date information available at www.mvgshome.org



For Current 9th Graders: MVGS Three Year Program

Rising 10th graders will attend MVGS for three years. Courses will be available to be dual enrolled for college credit through LFCC pending staff endorsements.

Prerequisites: Geometry; Algebra II Honors (prerequisite for Math Analysis) Co-requisites: General Biology

	Math	Science	Humanities	Research
First YearMVGS Math		*MVGS Chemistry	MVGS Humanities	MVGS Research 1:
	Analysis		10/English 10	Fundamentals

MVGS offers two science focus options for second and third year students: Physics/Engineering or Biology/Life Science.

Option I: Physics/Engineering Focus

Prerequisites: Math Analysis

	Math	Science	Humanities	Research and Elective
Second Year	*MVGS	*MVGS Physics 1:	*MVGS	*MVGS Computer Science 1 or
	Calculus 1	Mechanics	Humanities	*MVGS Psychology or *MVGS
	(Prepares		11/English 11	Economics (offered alternate
	students for AP		(Prepares for AP	years)
	Calculus AB		Language and	and MVGS Research 2:
	test)		Composition test)	Individual Research Project
Third Year	mr MVGS *MVGS Physics 2: *MVGS		*Computer Science 1 or 2 or	
	Calculus 2/3:	Electricity and	Humanities 12/	*MVGS Psychology or *MVGS
	Multivariable	Magnetism	US Government	Economics (offered alternate
	(Prepares	U U		years)
	students for AP			and MVGS Capstone
	Calculus BC			Project
	test)			-

Option II: Biology/Life Science Focus

Prerequisites: Math Analysis, General Biology, Chemistry

Therequisites: Wildin 7 marysis, General Diology, Chemistry			<u>co requisites: recommend physics ender year</u>			
	Math	Science	Humanities	Research and Elective		
Second Year	*MVGS	*MVGS Biology 1:	*MVGS	*MVGS Computer Science 1 or		
	Statistics	Collegiate Biology	Humanities 11	*MVGS Psychology or *MVGS		
			/English 11	Economics (offered alternate		
			(Prepares for AP	years)		
			Language and	and MVGS Research 2: Individual		
			Composition test)	Research Project		
Third Year	*MVGS	MVGS Biology 2:	*MVGS	Computer Science 1 or 2 or		
	Calculus 1	Advanced Topics	Humanities 12/	*MVGS Psychology or *MVGS		
	(Prepares	(Microbiology and	US Government	Economics (offered alternate		
	students for AP	Ecology)		years)		
	AB assessment			and MVGS Capstone		
				Project		

*Course prepares students for an AP assessment.

Note: MVGS Economics will fulfill the graduation requirement for Economics and Personal Finance

Co-requisites: recommend physics either year



Application Checklist

This checklist is provided to assist you in completing your application to The Mountain Vista Governor's School. You are responsible for ensuring that all of your application materials are completed and submitted to your guidance counselor **no later than March 1, 2019.**

Read and follow all directions.

Do not use staples.

- □ Complete the application fully, clearly, and legibly.
- □ Make sure all student information is provided on the Student Application:
 - \checkmark eighth grade or high school teachers' names
 - ✓ date and signature of applicant
 - ✓ date and signature of parent/guardian
- □ Provide your guidance counselor with the Student Profile by February 15, 2019.
- □ Provide the teacher recommendation forms in a timely manner to:
 - \checkmark this year's or last year's Math teacher
 - ✓ this year's or last year's Science teacher
 - ✓ this year's or last year's English or Social Studies teacher
- **U** Type your essay, taking the necessary time to organize, compose, revise, and edit. Sign the honor statement.
- □ Check with your guidance counselor to make sure that your teacher recommendations have been returned prior to February 22, 2019.
- □ Respectfully remind your guidance counselor to attach the completed Student Profile to the other documents in your application packet before submitting them to the selection committee.
- **Relax.** Notification letters will be mailed on April 26, 2019.

Additional items required for home school, private school, and out-of-county students:

 $\hfill\square$ Your parent must request that your official school transcript be mailed to:

Gifted Coordinator Local School Division

The transcript must include:

- ✓ Courses taken and grades in all subjects from 7th grade onward, including grades from fall semester 2018
- ✓ Most recent available standardized test results (ability and achievement). If ability/achievement test results are unavailable, contact your county's Gifted and Talented Coordinator who will arrange testing for you.

□ Your parent must complete the Certification of Intent to Enroll form and attach it to your application.



2019 Student Application

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.

Please complete your application legibly in ink or type.

	Current Grade Level		
First	Middle	Nickname (if any)	
Date of Birth (mm/dd/yy)	Stud	ent I.D. Number	
sian	 Hispanic or Latino Native Hawaiian or White 	Other Pacific Islander	
)			
Street City			
Stude	nt Email(s)		
County School	1	ment of Defense School	
Science Teacher	Engli	ish or Social Studies Teacher	
2	3		
•	· ·	cipate fully in the program. The	
	Signature of A	Applicant	
permission for the student's acade			
	merican Indian or Alaskan Native sian lack or African American Street City Work Numbers Studen I form must accompany the applicat division public school: County School □ Home S le or high school teachers who will of Science Teacher 2 tain Vista Governor's School is my lication documents are my own wor student above, am aware of and	Date of Birth (mm/dd/yy)	

Signature of Principal

Mountain Vista Governor's School does not discriminate on the basis of race, color, national origin, religion, sex, age, political affiliation, or veteran status in its educational programs or employment.

Date



Essay Prompt

Name: _____

Student Number:

High School: _____

School Division:_____Grade:____

Consider the controversial topic of **The Impact of Social Media on Student Learning** and the two accompanying articles of relevant information provided to you. Prepare a persuasive argument on the positive or negative impact of social media on student learning for presentation to your Superintendent and your School Board at an upcoming School Board meeting. Utilize only the information in the attached articles and the graphic (no other sources) to demonstrate your analytical reasoning, your ability to argue persuasively, and your writing ability.

Consider the data being communicated by the articles and the graphic attached to this prompt. Using specific examples from that data/text, construct a persuasive argument that is designed to convince your Superintendent of Schools and your School Board of the positive or negative impact social media has on student learning. In your essay, you will need to have a clear persuasive purpose, which should be obvious and relevant to the school personnel who will hear your well-supported argument.

- 1. Write legibly, preferably using a word processing program.
- 2. Please attach this prompt sheet with signature, the rubric, and your essay to the application. Do not write or type your name on any of the pages of the essay. Do not staple the pages together; use a paper clip.
- 3. Your writing will be assessed by your ability to:
 - Interpret data and patterns accurately
 - Draw logical conclusions about the data
 - Persuasively argue your position on the impact of social media on student learning
 - Make predictions about the positive and negative effects of the position you have taken
 - Construct a well-formed argument
 - Organize your response logically
 - Structure your essay formally, communicating clearly and using correct grammar
- 4. Evidence of advanced analytical reasoning, the quality of your writing, and your originality are more important than the length of your response.
- 5. Sign the following honor statement:

This essay is my own independent work. I have not received help from anyone with the interpretation of the graphics; the analysis of the data/text; drafting, editing, or revising the paper; or in any other way.

Student signature: _____



Article 1: Can Social Media Impact Learning?

Research shows that the use of social media in learning impacts achievement in a positive way.

Research shows that the use of social media in learning impacts achievement in a positive way. Increasingly, digital communication skills—including texting, tweeting, and Instagramming, —must be mastered. Social media is one way to strengthen communication skills. Below are some of the ways social media can be used to create high levels of engagement, explore the possibilities of collaborative learning environments, and enjoy the measurably positive effects on the teaching and learning process.

Increasing Student Engagement. Students are more willing to connect when they can utilize technology to research information, share ideas, and produce final products. The use of social media tools helps students share information, communicate ideas, and create videos to extend and enhance their learning and demonstrate their mastery of content and skills. Designing lessons that ask students to utilize social media as they work to solve problems, complete projects, and communicate ideas builds confidence, generates enthusiasm, and fosters a sense of play in the learning process. These are key elements to creating an engaging learning environment.

Fostering Collaborative Community Learning Environments. Humans are inherently social animals. We have a strong desire to connect with one another in social settings and social media provides an exciting playground in which to develop learning environments that can create rich learning experiences for students. By encouraging students to use Twitter during class discussions or for test prep, students can be encouraged to develop connections with peers and reinforce the collaborative nature of learning. Educators can use social media to develop creativity in their students by encouraging them to explore content material in a variety of ways. Social media provides students with options for creating authentic, creative products through tools such as blogs, YouTube or Vine videos, and podcasts. Students communicating with teachers, students communicating with students, and students communicating with the outside world are all vital skills for the world of work and college.

Promoting Teaching and Learning. Research indicates that social media has positive effects on learning outcomes. Students who utilize social media alongside their coursework demonstrate improved grades when compared with non-connected classmates. Peer feedback on assignments and thoughtful reflections on content increase through the open communication and strong relationships established with peers. Social media also fosters long-term retention of information. A deeper understanding is developed when social media extends the classroom discussions and work. Using social media in the learning process will allow students to develop and share newly developed ideas, symbols, and ways of knowing.

By LISA GONZALES AND CHARLES YOUNG FEB 25, 2015

Lisa Gonzales is superintendent in the Portola Valley School District. Charles Young is associate superintendent in the Palo Alto Unified School District. Both are California TICAL cadre members.

https://www.techlearning.com/resources/can-social-media-impact-learning



Article 2: Negative Effects of Social Networking Sites for Students

https://performancing.com/negative-effects-of-social-networking-sites-for-students/

The popularity of the social networking sites increased rapidly in the last decade. This is probably due to the reason that college and university students as well as teens used it extensively to get global access. These social networking sites such as Twitter and Facebook have become a raging craze for everyone nowadays.

The negative effects of these social networking sites overweigh the positive ones. These sites have caused some potential harm to society. The students become victims of social networks more often than anyone else. This is because of the reason that when they are studying or searching their course material online, they get attracted to these sites to kill the boredom in their study time, diverting their attention from their work. Other negative side effects of social networking websites include the following:

Reduced learning and research capabilities--Students have started relying more on the information accessible easily on these social networking sites and the web. This reduces their learning and research capabilities. **Multitasking**--Students who get involved in activities on social media sites while studying result in reduction in their focus of attention. This causes reduction in their academic performance, and concentration to study well. **Reduction in real human contact**--The more time the students spend on these social media sites, the less time they will spend socializing in person with others. This reduces their communication skills. They will not be able to communicate and socialize effectively in person with others. The employers are getting more and more unsatisfied with the communication skills of the fresh graduates due to this reason. The effective communication skills are key to success in the real world.

Reduces command over language use age and creative writing skills--Students mostly use slang words or shortened forms of words on social networking sites. They start relying on the computer grammar and spelling check features. This reduces their command over the language and their creative writing skills.

Time wastage--Students, while searching and studying online, get attracted to using social media sites and sometimes they forget why they are using internet. This wastes their time and sometimes students are not able to deliver their work in the specified time frame.

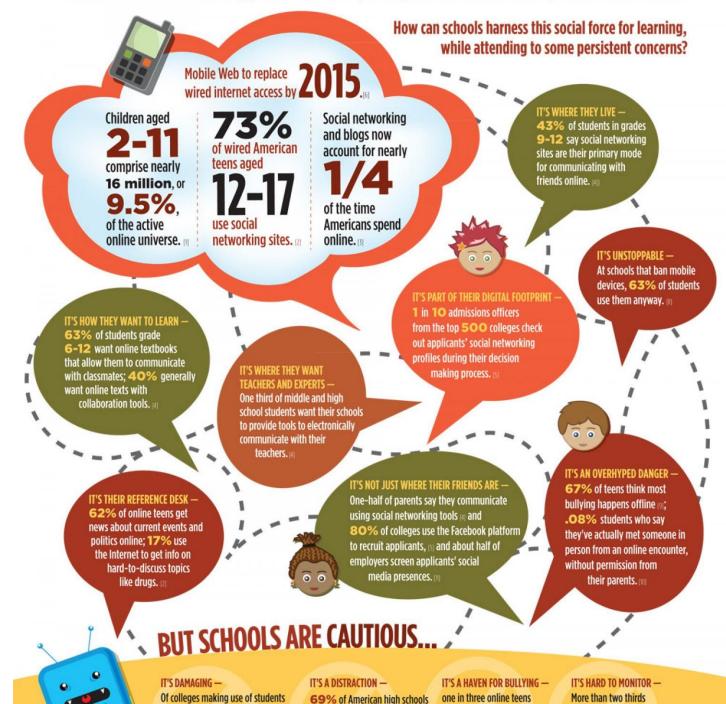
Low grades--Students get low grades in school due to lack of the desired information and writing skills. **Loss of motivation in students**--The student's motivational level reduces due to the use of these social networking sites. They rely on the virtual environment instead of gaining practical knowledge from the real world.

Effect on health--The excessive use of these sites affect the mental as well as physical health. Students do not take their meals on time and take proper rest. They take excessive amount of coffee or tea to remain active and focused which effects negatively on their health.

The overuse of these sites on a daily basis has many negative effects on the physical and mental health of students making them lethargic and unmotivated to create contact with the people in person. The parents should check and balance on their children when they use the internet. They should be on guard whether they are using it for appropriate time period or not. The peers and teachers should also help students make them aware of the negative effects and explain what they are losing in the real world by sticking to these social networking sites.

STUDENTS 👍 SOCIAL MEDIA

Students' lives are online in increasingly mobile and social ways. Surveys show students want learning and schools to follow suit.



Sources: Nielsen [1, 3], Pew [2, 7, 9], Project Tomorrow [4], Kaplan [5], International Data Corp. [6], MSNBC [8], National School Board Association [10], Mashable [11].

have experienced online

harassment, 191

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have banned use or even

on school grounds. [8]

possession of mobile devices

online profiles, 38% said that

their views of the applicant. [5]

what they saw "negatively affected"

(35%) of teens with cell

phones admit to cheating

at least once with them, ren



2019 Application Essay Rubric

Student Identification Number _____

Criteria	Possible	Reader A	Reader B	Reader C (if needed)	Composite Score
Interpretation of data and patterns	5				
Conclusions about the data	5				
Persuasiveness of argument	5				
Predictions about the effects of my position	3				
Construction and organization of the argument/response	5				
Usage/mechanics	3				
TOTAL	26				

All timed writings will be evaluated by two readers. In the event that an applicant's scores vary by more than three points, a third reader will evaluate the essay. The two highest scores will be recorded. Only the student identification numbers will appear on the essays.



Science Teacher Recommendation Form for Student Application

This box is to be completed by the applicant before the form is presented to the teacher (current or past year).					
Student Name: _					
	Last	First	M.I.		

Teacher Directions:

- Check one box for each criterion, using the following rating scale: BA Below Average A Average E - Excellent (top 10%) O - Outstanding (top 5% - one of the best I've ever encountered)
- Mark one (and only one) box for every criterion. DO NOT mark between two categories. \succ NOTE: Not following this instruction hurts students in the application process.
- Please add comments in the indicated space below. \triangleright
- Sign, date, and seal recommendation in envelope and return to ______ by February 22, 2019. \geq

Name (Print):_____ Date:____

Signature: School:

Subject(s), Grade Level(s) and Date(s) you taught applicant:

	Criteria	BA	Α	E	0
1. Motiva	tion and Initiative: Curious, self-starter, shows initiative				
	unication with Peers: Demonstrates sensitivity, respect for others and opposing nts, shares ideas, accepts criticism				
3. Depen	lability: Consistent, disciplined, supports others, works safely				
4. Persev	erance: Demonstrates sustained commitment to problem solving				
5. Class	articipation: Participates fully in laboratory work and discussions				
6. Class l	reparation: Completes class assignments				
7. Acade	nic Interest: An innovative thinker, intense interest in understanding nature				
8. Acade	nic Ability: High aptitude and potential for success				
9. Qualit plannir	of Work: Complete, reflective of deep understanding, accurate, creative in terms of g				
10. Logic	al Thinking and Questioning				
	endence: Demonstrates the ability to solve challenging problems or complete difficult th minimal assistance from adults				
12. Ability	to synthesize and apply knowledge				
	(For selection committee use only)				

Comments: It is **required** that you include comments about this student that will help the selection committee make a decision. You may use a separate sheet if needed (please do not staple).



Mathematics Teacher Recommendation Form for Student Application

This box is to be completed by the applicant before the form is presented to the teacher (current or past year).

Student Name:			
	Last	First	M.I.

Teacher Directions:

- Check one box for each criterion, using the following rating scale: BA Below Average A Average \triangleright E - Excellent (top 10%) O - Outstanding (top 5% - one of the best I've ever encountered)
- Mark one (and only one) box for every criterion. DO NOT mark between two categories. \geq NOTE: Not following this instruction hurts students in the application process.
- \geq Please add comments in the indicated space below.
- Sign, date, and seal recommendation in envelope and return to by February 22, 2019. \triangleright

 Name (Print):______
 Date:______

Signature: _____School: _____

Subject(s), Grade Level(s) and Date(s) you taught applicant:

	Criteria	BA	Α	Ε	0
1.	Motivation and Initiative: Curious, self-starter, shows initiative				
2.	Problem Solving: Exhibits persistence in solving routine and non-routine problems, synthesizes and applies knowledge				
3.	Communication: Justifies and defends mathematical arguments orally and in writing, shares strategies with others				
4.	Class Participation: Participates fully in discussions and other activities				
5.	Class Preparation: Always does assigned readings and homework				
6.	Interest in Mathematics: Demonstrates an intense interest in and appreciation for the beauty of mathematics, makes connections between math topics and between math and other subjects, applies mathematical knowledge to real world problems				
7.	Academic Ability: High aptitude in mathematics and potential for success				
8.	Quality of Work: Complete, reflective of deep understanding, accurate, and creative in terms of strategies and thinking				
9.	Logical Thinking and Questioning: Extends questioning to include next investigation				
10.	Independence: Demonstrates the ability to solve challenging problems or complete difficult tasks with minimal assistance from adults				
11.	Team Work: Dependable, disciplined, supportive of others, committed to tasks and groups, respectful of others and opposing viewpoints, willing to accept criticism				
12.	Ability to synthesize and apply knowledge				
	(For selection committee use only)				

Comments: It is required that you include comments about this student that will help the selection committee make a decision. You may use a separate sheet if needed (please do not staple).



English or Social Studies Teacher Recommendation Form for Student Application

This box is to be completed by the applicant before the form is presented to the teacher (current or past year).

Student Name:

First

M.I.

Teacher Directions:

- Check one box for each criterion, using the following rating scale: BA Below Average A Average E - Excellent (top 10%) O - Outstanding (top 5% - one of the best I've ever encountered)
- \triangleright Mark one (and only one) box for every criterion. DO NOT mark between two categories. NOTE: Not following this instruction hurts students in the application process.
- Please add comments in the indicated space below. \geq

Last

Sign, date, and seal recommendation in envelope and return to ______ by February 22, 2019. \geq

Name (Print):_____ Date:____

Signature: _____School: _____

Subject(s), Grade Level(s) and Date(s) you taught applicant:

Criteria	BA	Α	Е	0
1. Motivation and Initiative: Curious, self-starter, shows initiative				
2. Communication with Peers: <i>Demonstrates sensitivity, respect for others and opposing viewpoints, shares ideas, accepts criticism</i>				
3. Dependability: Consistent, disciplined, supports others, works safely				
4. Perseverance: Demonstrates sustained commitment to problem solving				
5. Class Participation: Participates fully in laboratory work and discussions				
6. Class Preparation: Completes class assignments				
7. Academic Interest: An innovative thinker, intense interest in understanding nature				
8. Academic Ability: High aptitude and potential for success				
9. Quality of Work: Complete, reflective of deep understanding, accurate, creative in terms of planning				
10. Logical Thinking and Questioning				
11. Independence: Demonstrates the ability to solve challenging problems or complete difficult tasks with minimal assistance from adults				
12. Ability to synthesize and apply knowledge				
(For selection committee use only)				

Comments: It is **required** that you include comments about this student that will help the selection committee make a decision. You may use a separate sheet if needed (please do not staple).



Student Profile

To be completed by your Counselor

Student NameStudent	NumberCurrent Grade
---------------------	---------------------

Testing Data (from the most recent standardized tests). Please copy and attach this sheet for additional tests.

PSAT, SAT	Other Standardized (i.e., Cog AT, I.C		SOL Scores	Availa	chievement Test(s) if ble (i.e., Stanford 10,	
Name	Name	Alge	bra I		T, Woodcock Johnson etc.)	
Date Administered	Date Administered	Geor	netry	Name		
Evidence Based Reading Score	Grade Level	Alge	bra II	Date Adm	inistered	
Evidence Based	Total Quantitative Percentile		ogy	Grade Lev	vel	
Reading Percentile		Cher	mistry Total Math Percentile			
Mathematics Score	Total Verbal Percentile	Earth	Earth Science		Total Science Percentile	
Mathematics Percentile	Composite	Engl	ish 8 (Writing)	Total Rea	Total Reading Percentile	
		Engl	ish 8 (Reading)	Total Lan	guage Percentile	
		Wor	World History I			
		Wor	d History II			
GPA Data: Include a trans	script and current grade repo	ort with the app	lication.	GPA (if availabl	e)	
Special Data		Attendance				
Gifted Identification		<u>Current Year – First Semester</u> <u>Pre</u>		Previous Year	vious Year	
IEP	_504 Plan	_ Tardies	Absences	Tardies	Absences	
Counselor Name (please p	rint)		Counselor Si	gnature		



Certification of Intent to Enroll

For Home School, Private, or Out of Division Students Only

Participating School Divisions: Clarke, Culpeper, Fauquier, Frederick, Rappahannock, Warren Counties and the Winchester City

Current School:

□ Out-of-County _			
	(School)	(County)	(State)
Private			
	(School)	(County)	(State)
Department of De	efense School		
-	(School)	(County)	(State)
□ Home School			

I hereby certify that I will enroll my son/daughter as a student in the appropriate public school in __________ School Division if my child is accepted into the Mountain Vista Governor's School program.

Student Name (print)

Student Signature

Parent Name (print)

Parent Signature

Date

Date