



# Shenandoah Valley Governor's School

49 Hornet Road Fishersville, VA 22939 (540) 245-5088 [www.svgs.k12.va.us](http://www.svgs.k12.va.us)

## SVGS Curriculum 2016-17

### SVGS Math Sequence\*

*\*Students must complete Algebra II/Trigonometry prior to matriculation to SVGS.*

11th	<b>Pre-Calculus</b>	<b>Calculus</b> (DE w/ BRCC for Sem. 1 & 2)	<b>AP Calculus BC</b> (Sem. 1 & 2)
12th	<i>Choose from:</i> <b>Calculus(DE)</b> <b>AP Calculus BC</b>	<i>Choose from:</i> <b>Advanced Calculus – Multivariable</b> (Sem. 3) <b>AP Statistics</b> <b>Discrete Math</b> ( DE w/ JMU)	<i>Choose from:</i> <b>Advanced Calculus – Multivariable</b> (Sem. 3) <b>AP Statistics</b> <b>Discrete Math</b> ( DE w/ JMU)

### SVGS Science Sequence

*\*Chemistry is not a required pre-requisite for SVGS. It is recommended that Chemistry be taken prior to the senior year to ensure the background needed for other advanced senior science classes.*

11th	<b>Physics</b> (DE w/ BRCC for 8 credits of lab science)*  *If the student has completed Physics, they would take Environmental Chemistry at SVGS or Chemistry at their homeschool. *If the student has already taken both Chemistry and Physics, they may choose from senior sciences listed below.
12th	<i>Choose from:</i> <b>AP Chemistry</b> (chemistry is required as a pre-requisite) <b>AP Environmental Science</b> (chemistry is required as a pre-requisite) <b>Environmental Chemistry</b> (DE w/ JMU for 3 credits of general science) <b>Molecular Biology</b> (DE w/ JMU for 3 credits of general science, chemistry is required as a pre-requisite) <b>Modern Physics</b>

### SVGS Technology Sequence

11th	<i>Choose from:</i> <b>Scientific Research</b> (Life Science or Physical Science) <b>Engineering</b>
12th	<i>Choose from:</i> <b>Advanced Technology</b> <b>AP Computer Science</b> <b>Computer Networking and Security</b> <b>Engineering II</b> <b>Geospatial Information Systems (GIS)</b>

### Typical JUNIOR STEM Lecture Schedule Monday, Tuesday & Friday

(Students take a math, science and technology class at SVGS.)

	Fall	Spring
7:45	SVGS - Calculus	SVGS - Calculus
8:30	IWT	IWT
9:15	SVGS - Research	SVGS - Research
10:00	SVGS - Physics	SVGS - Physics
10:55	Return to Homeschool (carpool, parents, tech bus)	
11:15 -3:00	Homeschool 3 <sup>rd</sup> Block/Lunch	Homeschool 3 <sup>rd</sup> Block/Lunch
	Homeschool 4 <sup>th</sup> Block	Homeschool 4 <sup>th</sup> Block

### Typical JUNIOR STEM Lab Schedule Wednesday & Thursday

(Students take a math, science and technology class at SVGS.)

	Wednesday	Thursday
7:45	SVGS - Calculus	SVGS - Research
9:15	IWT	SVGS - Physics
10:55	Return to Homeschool (carpool, parents, tech bus)	
11:15 -3:00	Homeschool 3 <sup>rd</sup> Block/Lunch	Homeschool 3 <sup>rd</sup> Block/Lunch
	Homeschool 4 <sup>th</sup> Block	Homeschool 4 <sup>th</sup> Block

### SVGS Theater Arts Sequence

	ENGLISH	APPRECIATION/CRITIQUE	STUDIO
11th	<b>Humanities I</b> (DE w/ BRCC, Eng. 111 & 112, counts as English 11)	<b>Introduction to Theatre</b> (DE w/ BRCC, for general education credit)	<b>Acting I</b> <b>Crafts &amp; Skills I*</b> *(Work with professional guest artists)
12th	<b>Humanities II</b> (DE w/ BRCC, for general English literature, counts as English 12)	<b>Drama Theory &amp; Criticism</b>	<b>Acting II</b> <b>Crafts &amp; Skills II*</b>

### SVGS Visual Arts Sequence

	ENGLISH	APPRECIATION/CRITIQUE	STUDIO
11th	<b>Humanities I</b> (DE w/ BRCC, Eng. 111 & 112, counts as English 11)	<b>Survey of World Art I</b> (DE w/ BRCC for first semester of Art History)	<b>Studio Art I</b> <b>Crafts &amp; Skills I*</b> *(Work with professional guest artists)
12th	<b>Humanities II</b> (DE w/BRCC, for general English literature, counts as English 12)	<b>Survey of World Art II</b> (DE w/ BRCC for second semester of Art History)	<b>AP Studio Art/Studio II</b> <b>Crafts &amp; Skills II*</b>