				STEM				
Location	5:30 - 5:45	5:50 - 6:05	6:10-6:25	6:30-6:45	6:50-7:05	7:10-7:25	7:30-7:45	7:50-8:05
Room 22	DE Calculus/ Advanced Calculus Students demonstrate their favorite calculus labs.							
	GIS / APES							
Haven	Students present posters on various environmental disasters that have occurred throughout history including Chernobyl, Donora smog, and r so polluted they caught on fire! GIS students quiz visitors' knowledge about locations from pictures on Google maps and show visitors how ArcMap to create a GIS map.							
Corner		Capstone	Capstone	Capstone	Capstone	Capstone	Capstone	
		Presentation	Presentation	Presentation	Presentation	Presentation	Presentation	
	Seniors describe their capstone projects, long-term endeavors that allow them to apply and develop knowledge and skills learned in SVGS courses.							
Chamber	Modern physics	Solar panel	Modern physics	Precalculus	Precalculus	Solar panel	Precalculus	Precalculus
	Students present Exploravision Project on rockets that use an electromagnetic engine.	Presentation on SVGS's new solar panel	Students present Exploravision Project on rockets that use an electromagnetic engine.	Students demonstrate lab applications.	Students demonstrate lab applications.	Presentation on SVGS's new solar panel	Students demonstrate lab applications.	Students demonstrate lab applications.
			•	MolBio		-	-	
Biology Lab	Students demonstrate gel electrophoresis using dyes. A longer demonstration shows the process applied to DNA analysis. Visitors may view completed gels of separated DNA fragments, as students explain how the technique produces DNA fingerprints. Visitors may also practice pipetting samples into gels.							
Chemistry Lab	Environmental Chemistry		AP Chemistry		Environmental Chemistry		AP Chemistry	
	Demonstrations of various labs done throughout the year		Demonstrations of various labs done throughout the year		Demonstrations of various labs done throughout the year		Demonstrations of various labs done throughout the year	
	Physics		Robotics		Physics		Robotics	
Physics Lab	Demonstrations including "Bicycle Wheel and Rotating Stool" (angular momentum), "Van de Graff Generator" (electrostatics), "Ring Launcher" (electromagnetic induction" and various air pressure demonstrations		Students demonstrate the completed robot produced by SVGS students. This robot was recently taken to compete in the Virginia Regional FIRST Robotics Competition.		Demonstrations including "Bicycle Wheel and Rotating Stool" (angular momentum), "Van de Graff Generator" (electrostatics), "Ring Launcher" (electromagnetic induction" and various air pressure demonstrations		Students demonstrate the completed robot produced by SVGS students. This robot was recently taken to compete in the Virginia Regional FIRST Robotics Competition.	
Think Tank	Environmental Chemistry		Engineering II		Environmental Chemistry		Engineering II	
	Presentations of projects on air pollution and water quality		Presentations of team projects completed for UVa course		Presentations of projects on air pollution and water quality		Presentations of team projects completed for UVa course	
Grid	Engineering							
	Engineering demonstrations including CAD software/3D printing and Mechatronics							
Off-grid	AP Calculus							
	Students demonstrate the application of calculus to finding volumes of some very tasty solids.							
	AP Computer Science/Advanced Tech							
Loft	APCS students demonstrate work on coding projects. Advanced Tech students demonstrate their skills in making Flash animations as they create Flash cards for elementary students.							
Area 51		Netwo Students demonstr skills learned in Ra course.	ate networking dford University		Networking Students demonstrate networking skills learned in Radford University course.			
Outside	Electric Vehicle Students demonstrate their work for EV competition.							
Hallway	AP Statistics							
	Students share with visitors their statistics projects on different topics including "Measuring Bias", "Homefield Advantage", and "Factors of Charitability".							
	Research posters Students are available for informal poster sessions on their year long received projects.							
	Students are available for informal poster sessions on their year-long research projects.							