Mrs. Logan Advanced Math **Week 19: January 8-12**
Module 5: Functions and Three-Dimensional Geometry **Topic C: Surface Area and Cross Sections** **Topic D: Volume**
	Monday January 8th	Tuesday January 9th	Wednesday January 10th	Thursday January 11th	Friday January 12th
Lesson	Lesson 15: Proportionality and Scale Factor of Cross Sections	Module 5 Topic C Quiz	Lesson 16: Volume of Prisms	Lesson 17: Volume of Cylinders	Mid Year Assessment
Pages	295-317	197-317	321-339	341-350	
We will…	explore whether two-dimensional cross sections of three-dimensional solids are scale drawings of one another.	apply knowledge of composite area and nets of three-dimensional solids and find surface area and cross sections.	determine how to find the volume of right prisms, including triangular prisms.	discover how to find the volume of cylinders.	take a mid year assessment on all learned and to be learned skills.
Bell Ringer	Cross Sections of Solids	Quiz Prep	Right Rectangular Prism Volume	Area of a Circle Sprint	
Exit Ticket	Unknown Side Lengths	Quiz Feedback	Right Triangular Prism Volume	Volume and Approximate Volume	
I will...	calculate and use the scale factor to determine unknown side lenghts.	calculate surface area, compare cross sections, and use proportional reasoning to find unknown side lengths.	develop and use the formula for finding the volume of any right prism.	develop and use the formula for the volume of a cylinder.	use my knowledge from this class and previous classes to solve a variety of problems.
Reminders				Sprint for a grade- quality not quantity!	
State Standards		7.G.A.3. Describe the two dimensional figures that result from slicing three-dimensional figures, as in plane sections of right rectangular prisms and right rectangular pyramids.
		7.G.B.6. Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.
		8.G.C.9Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.