

Mrs. Logan Advanced Math
Week 20: January 16-19

Module 5: Functions and Three-Dimensional Geometry
Topic D: Volume

	Monday January 15th	Tuesday January 16th	Wednesday January 17th	Thursday January 18th	Friday January 19th
Lesson	MLK Day No School	Lesson 16: Volume of Prisms	Lesson 17: Volume of Cylinders	Lesson 18: Designing a Fish Tank	Lesson 19: Volume of Pyramids and Cones
Pages		321-339	341-350	351-362	363-380
We will...		determine how to find the volume of right prisms, including triangular prisms.	discover how to find the volume of cylinders.	work in groups to choose fish and design a fish tank to accommodate them.	develop formulas for the volume of a pyramid and the volume of a cone by comparing pyramids to prisms and cones to cylinders.
Bell Ringer		Right Rectangular Prism Volume	Area of a Circle Sprint	Volume or Surface Area?	Right Prism and Right Pyramid
Exit Ticket		Right Triangular Prism Volume	Volume and Approximate Volume	Reflection	Pyramid and Cone Volume
I will...		develop and use the formula for finding the volume of any right prism.	develop and use the formula for the volume of a cylinder.	model real-world problems involving surface area and volume.	develop and use the formulas for the volume of a pyramid and a cone.
Reminders			Sprint for a grade. Quality not quantity.	Lesson 18 for a grade.	
State Standards	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.F.B.4 Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in				
	8.G.B.7 Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.				
	8.G.C.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.				