

8th grade Lesson 1 (Pre-Visit) More Than Math North Carolina Curriculum Alignment

North Carolina Standard Course of Study Eighth Grade Mathematics	Surface Area of a Pyramid	Truncated Pyramid	Challenge Activity
Standards for Mathematical Practice			
1. Make sense of problems and persevere in solving them.	X	X	X
2. Reason abstractly and quantitatively.	X	X	X
3. Construct viable arguments and critique the reasoning of others	X	X	X
4. Model with mathematics.			
5. Use appropriate tools strategically.	X		X
6. Attend to precision.	X		
7. Look for and make use of structure.			
8. Look for and express regularity in repeated reasoning.		X	X
Standards for Geometry			
Understand and apply the Pythagorean Theorem.			
NC.8.G.7 Apply the Pythagorean Theorem and its converse to solve real-world and mathematical problems.			X
Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.			
NC.8.G.9 Understand how the formulas for the volumes of cones, cylinders, and spheres are related and use the relationship to solve real-world and mathematical problems.	X	X	X