



Polyhedral

High School Geometry

Overview	<ul style="list-style-type: none"> The teacher will present a picture of a polyhedral. She will give them the dimensions and the students will have to answer a number of mathematical questions and equations based off of the shape.
Objective	<ul style="list-style-type: none"> Given a picture of a shape, students will be able to answer multiple geometry questions with 80% accuracy.
Standards	<ul style="list-style-type: none"> Indiana Standard 7: Polyhedral and Other Solids-Students describe and make regular and non-regular polyhedral (cube, pyramid, tetrahedron, octahedron, etc.). They explore relationships among the faces, edges, and vertices of polyhedral. They describe sets of points on spheres, using terms such as great circle. They describe symmetries of solids and understand the properties of congruent and similar solids.
Materials	<ul style="list-style-type: none"> Teacher needs a 72photos account Picture of a polyhedral Access to a computer, smart board, or television Handout of dimensions Worksheet with mathematical equations to solve Pencils
Procedure	<ul style="list-style-type: none"> The teacher will create a 72photos account and post a picture of a polyhedral. The will display the picture. The students will be given the dimensions as well as a worksheet of mathematical equations to solve based off of the polyhedral and its

	dimensions.
Evaluation	<ul style="list-style-type: none">• For their evaluation, the teacher will grade the student's worksheet to see how many equations they got correct and look for common errors in order to review later.