



Geometry on the Outside



Objectives	Students will use Cellblock, the multimedia sharing application. They will be uploading different pictures of geometric shapes. The students will be assigned a different shape for the first four days. They then upload a picture (that they have taken) to the Cellblock every night. In the caption of the picture, students will have to address every known formula for that shape.
Materials	<ul style="list-style-type: none">• Camera• Computer
Procedure	<p>Day 1:</p> <ol style="list-style-type: none">a) The teacher must create a Cellblock and give the students the required information to access it.b) The students must create their own Cellblock profile.c) Each student will be assigned a specific shape. When they go home, they must take a picture of something that has that shape. Then, they must upload the picture to the Cellblock. The picture must contain a caption of the volume and area formula for that shape. <p>Day 2:</p> <ol style="list-style-type: none">a) The students must present the class with their formulas. The other students who aren't

	<p>presenting must guess the shape of the formulas.</p> <p>b) Refer to Day 1 c.</p> <p>Day 3 & 4: Refer to Day 2.</p> <p>Day 5: Refer to Day 2.</p> <p>a) Students will take a test to try their knowledge and understanding of the shapes' formulas that they have been learning in class.</p>
<p>Assessment</p>	<p>Students will take an open-ended test. The test will include all area and volume formulas that were used in class. Each question will require the student to use a different formula.</p>
<p>Indiana Standards</p>	<ul style="list-style-type: none"> • G.2.5 Find and use measures of sides, perimeters, and areas of polygons. Relate these measures to each other using formulas. • G.3.3 Find and use measures of sides, perimeters, and areas of quadrilaterals. Relate these measures to each other using formulas. • G.4.4 Use properties of congruent and similar triangles to solve problems involving lengths and areas. • G.6.7 Define, find, and use measures of circumference, arc length, and areas of circles and sectors. Use these measures to solve problems. • G.7.7 Find and use measures of sides, volumes of solids, and surface areas of solids. Relate these measures to each other using formulas.