

**DUE DATE:** \_\_\_\_\_

Name \_\_\_\_\_

# Geometry in the World Around You

Period: \_\_\_\_\_ Date turned in \_\_\_\_\_

Geometry abounds in the "real world." This project will increase your awareness of the geometric figures in the world around you.

## Units 1-4

## Unit 5

You need to find at least 8 of the 2-D following items, (That's 8 different items.)

AND at least 4 of the following 3-D items. (That's 4 different items.)

acute angle (1)	kite (4)	Rectangle (4)	cone
adjacent angles (1)	Line (1)	Reflection (1)	cube
alternate interior angles (1)	line parallel to a plane	Rhombus (4)	cylinder
Angle (1)	linear pair (1)	right angle (3)	ellipsoid
angle bisector (1)	Midpoint (1)	right triangle (3)	hexagonal prism
circle (1)	obtuse angles	scalene triangle (1)	icosahedron
collinear points (1)	octagon (NO stop sign) (4)	Segment (1)	octahedron
congruent angles (1)	opposite rays (1)	similar figures (2)	pentagonal prism
corresponding angles(1)	parallel lines (1)	skew lines (1)	rectangular prism
dilation (2)	parallel planes (1)	Square (4)	rectangular pyramid
equilateral triangle	Parallelogram (1)	straight angle (1)	sphere
Hexagon (4)	Pentagon (4)	Trapezoid (4)	triangular prism
Hypoteneuse (3)	perpendicular lines (1)	Triangle (1)	triangular pyramid
intersecting lines (1)	Plane (1)	vertical angles (1)	truncated icosahedron
intersecting planes (1)	Point (1)		
isosceles triangle (1)	Ray (1)		

When taking your pictures, please attempt to capture something unique, creative, and artistic. Pictures taken inside of your bedroom or classroom will not be accepted. Acknowledgements will be given to the most artistic photographers. Your pictures must be original and cannot be taken from the Internet, another student, or another photographer.

Your collection of photos should be developed digitally and placed into a PowerPoint Presentation. Make sure to have a cover slide with your name, period, and title on it. Each slide should have the geometric term, a clear picture of the photo, and a brief definition of the term in relationship to the picture (i.e. "The pillars on this grand building in downtown Houston represent parallel segments, which are segments that are in the same plane and have the same slope).

Save your PowerPoint file as **LastNameFirstNamePer#** on a digital drive (one drive, google drive) and share it with me at [myanis@trenton.k12.nj.us](mailto:myanis@trenton.k12.nj.us) . I suggest you save it at least at least 4-5 days ahead of time to allow for any technical difficulties

All photos should be appropriate for classroom use.

**Rubric:**

**110 points possible**

	Possible points	Self points	Actual points	Comments
Creative project name	5			
12 identified shapes, clearly labeled in photo	24			
12 correct labels	24			
12 correct definitions	24			
Extra effort/powerpoint	7			
All instructions followed	6			
Appearance/neatness	5			
Presentation	5			
<b>Sub-Total</b>	<b>100</b>			
<b>Total</b>				
<b>BONUS: Creative Photography</b>				