PRINCETON INDEPENDENT SCHOOL DISTRICT	**Campus: Clark JH**
Author(s): McCord, Walker	**Date Created / Revised: July 20, 2011**
Six Weeks Period: 3rd six-weeks	**Grade Level & Course: MATH / Grade 7**
Timeline: 27 days	**Lesson Unit Title: Geometry & Similar Shapes**

Stated Objectives: TEKS Addressed in the Lesson Unit

(Include TEK number and (SE) student expectation description

a. Which subject-specific TEKS are going to be addressed in the lesson unit?

7.3(b) estimate and find solutions to application problems involving proportional relationships such as similarity, scaling, unit costs, and related measurement units.

7.6(A) use angle measurements to classify pairs of angles as complementary or supplementary

7.6(B) use properties to classify triangles and quadrilaterals

7.6(C) use properties to classify solids, including pyramids, cones, prism, and cylinders

7.6(D) use critical attributes to define similarity

7.7(A) locate and name points on a coordinate plane using ordered pairs of integers

7.7(B) graph reflections across the horizontal or vertical axis and graph translations on a coordinate plane

7.8(A) sketch a solid when given the top, side, and front views

7.8(B) Make a net (two-dimensional model) of the surface area of a solid

7.8(C) use geometric concepts and properties to solve problems in fields such as art and architecture

7.9(A) estimate measurements and solve application problems involving length (including perimeter and circumference) and area of polygons and other shapes;

7.9(B) connect models for volume of prisms (triangular and rectangular) and cylinders to formulas of prisms (triangular and rectangular) and cylinders; and

7.9(C) estimate measurements and solve application problems involving volume of prisms (rectangular and triangular) and cylinders.

7.13(A) identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines…

7.13(B) use a problem-solving model that incorporates understanding the problem, and making a plan, carrying out the plan and evaluating the solution fro reasonableness

7.13(C) select or develop an appropriate problem-solving strategy from a variety of different types, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem or working backwards to solve a problem

7.13(D) select tools such as real objects, manipulatives, paper/pencil and technology or