Course: Jason Jacklet **Date:** July 3, 2009 ET

Topic: Unit 07: Plane Geometry **Days:** 12

Subject Area(s): Math **Grade(s):** 6

Key Learning:

Unit Essential Question(s):

Concept: **Points, Lines, Plane, & Angles**	Concept: **Triangles**	Concept: **a quadrilateral with 2 parallel sides, may have 2 right angles**
Lesson Essential Question(s): How do you identify points, lines, and planes? (A) How are lines classified? (A)	**Lesson Essential Question(s):** What are the different types of triangles and how do you classify them (A)	**Lesson Essential Question(s):** How do you identlfy, classify and compare quadrilaterals? (A)
Vocabulary: point, line, plane, line segment, ray, angle, vertex, acute angle, right angle, obtuse angle, straight angle, congruent, vertical angle, adjacent angles, complementary angles, supplementary angles, parallel lines	**Vocabulary:** acute triangle, obtuse triangle, right triangle, scalene triangle, isosceles triangle, equilateral triangle, equiangular triangle, triangle inequality theorem	**Vocabulary:** parallelogram, rectangle, quadrialateral, rhombus, square, trapezoid

Concept: **Polygon**	Concept: **Geometric Patterns**	Concept: **Similar & Congruent**
Lesson Essential Question(s): What is the difference a regular and non-regular polygon? (A)	**Lesson Essential Question(s):** What are geometric patterns? (A)	**Lesson Essential Question(s):** What is similar and congruent (A)
Vocabulary: polygon, regular polygon	**Vocabulary:**	**Vocabulary:** similar, congurent

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Concept: **Transformations & Symmetry**	**Concept:**	**Concept:**
Lesson Essential Question(s): What are the different types of transformations (A) What is symmetry (A)	**Lesson Essential Question(s):**	**Lesson Essential Question(s):**
Vocabulary: transformation, translation, rotation, reflection, line of relection, line symmetry	**Vocabulary:**	**Vocabulary:**