

Week of 1/11/16- 1/15/16 7th Grade Math

<p>Topic:</p> <ul style="list-style-type: none"> • Geometry: Triangles • Geometry: Angles 	<p>Standards:</p> <ul style="list-style-type: none"> • 7.G.2: Draw geometric shapes with given conditions. Focus on constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle. • 7.G.5: Use facts about supplementary, complementary, adjacent, and vertical angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.
<p>Lesson Essential Question:</p> <ul style="list-style-type: none"> • How do the given conditions affect the drawing of a geometric shape? • How can the properties of angles be used to solve multi-step problems? 	<p>Students will be able to....</p> <ul style="list-style-type: none"> • Construct triangles from three measures of angles. • Construct triangles from three measures of sides. • State the relationships between supplementary, complementary, vertical, and adjacent angles. • Develop equations for an unknown angle in a figure. • Solve simple equations for an unknown angle in a figure.
<p>Activating Strategy: BrainPOP videos</p>	<p>Vocabulary:</p> <ul style="list-style-type: none"> • Supplementary, complementary, vertical angles, adjacent angles, corresponding angles, alternate interior angles, alternate exterior angles, transversal, parallel, perpendicular, scalene, isosceles, equilateral, right, acute, obtuse

<p>Lesson Instruction</p>	
<p>Learning Activity 1:</p> <ul style="list-style-type: none"> • Foldable- Different types of Angles (Vertical, Adjacent, Supplementary, Complementary) • Interactive Study Guides- Guided Notes 7.1 and 7.2 • BrainPOP- Angles • EOG Ready practice pg 142-143 <p>Assessment Prompt for LA 1:</p> <ul style="list-style-type: none"> • Analysis of performance during BrainPOP quiz 	<p>Graphic Organizer:</p> <ul style="list-style-type: none"> • Foldable – Different types of Angles (Vertical, Adjacent, Supplementary, Complementary)
<p>Learning Activity 2:</p> <ul style="list-style-type: none"> • BrainPOP- Parallel and Perpendicular Lines • Vocabulary- Alternate Exterior, Alternate Interior, Corresponding Coloring Activity • Pizazz Practice Activities <p>Assessment Prompt for LA 2:</p> <ul style="list-style-type: none"> • Think-Pair-Write 	
<p>Learning Activity 3:</p> <ul style="list-style-type: none"> • Finding the Missing Variable using Equations activity • Real-World Word Problem Activity <p>Assessment Prompt for LA 3:</p> <ul style="list-style-type: none"> • Class Discussion 	<p>Assignment:</p> <ul style="list-style-type: none"> • Spiral Review Practice Problems
<p>Learning Activity 4:</p> <ul style="list-style-type: none"> • Find the Missing Angle Challenge Problems <p>Assessment Prompt for LA 4:</p>	

<ul style="list-style-type: none">• Exit Ticket	
Learning Activity 5: <ul style="list-style-type: none">• Triangle Sum Theory Notes and Activities Assessment Prompt for LA 4: <ul style="list-style-type: none">• 3-2-1	

Summarizing Strategy:
<ul style="list-style-type: none">• Respond to Essential Question with partner• One sentence summary independently