

**St. Matthew Catholic School**

**Subject: High School Level Geometry**

**Teacher: Mr. Motamed**

**Unit 01 – Reasoning and Proof**

<i>Timeline:</i>	<i>Standards</i>	<i>Content</i>	<i>Skills</i>	<i>Assessment</i>	<i>Instructional Strategies &amp; Resources</i>
<b>September 10 to October 26, 2012</b>	G 1.0	Points, Lines, Plane Angle classification Polygon classification	-- Identify, and have formal definition of Points, Lines and Planes. -- Classify angles -- Conventional naming -- Classify polygons	-- Informal QA in the class -- Successfully complete and turn in HW's -- Successfully complete Quizzes -- Successfully complete unit assessment	-- Text Book, Geometry Chapter 1,2 -- Worksheet -- Mr. Motamed's website: <a href="http://www.MrMTeaching Math.com">www.MrMTeaching Math.com</a> -- Class Notes -- Extensive Mixed Review from Algebra
	G 7.0	Distance and Mid-point	-- Calculate distance and find and graph mid-point		
	G 8.0	Perimeter, Circumference and Area of Basic Geometrical Shapes	-- Calculate perimeter, circumference and area of square, rectangle, triangle, and circle		
	G 1.0, 2.0, 3.0	Inductive Reasoning  Deductive Reasoning  Truth Table Conditional, Converse, Inverse, Contrapositive, Bi-conditional	-- Define 'conjecture' -- Define 'hypothesis' -- Use/apply inductive reasoning -- Use / apply deductive reasoning if , then If p, then q If q, then p If not p, then q If not q, then not p p if and only if q		

G - Geometry California Content Standards

**Text Books:**  
*Geometry, McDougal Littell; Larson, Boswell, Kanold, Stiff (2007)*  
*Algebra I, Concepts and Skills, Mc Dougal Littell, Larson, Boswell, Knold, Stiff (2001)*