Geometry Unit 1 Intro to Geometry
Chapter 3 Parallel Lines

Objectives:

G-CO.1 Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc.

G-CO.9 Prove theorems about lines and angles. *Theorems include: vertical angles are congruent; when a transversal crosses parallel lines, alternate interior angles are congruent and corresponding angels are congruent; points on a perpendicular bisector of a line segment are exactly those equidistant from the segment's endpoints.*

G-CO.10 Prove theorems about triangles. *Theorems include: measures of interior angles of a triangle sum to 180° base angles of isosceles triangles are congruent; the segment joining midpoints of two sides of a triangle is parallel to the third side and half the length; the medians of a triangle meet at a point.*

G-CO.12 Make formal geometric constructions with a variety of tools and methods (compass and straightedge, string, reflective devices, paper folding, dynamic geometric software, etc.). *Copying a segment; copying an angle; bisecting a segment; bisecting an angle; constructing perpendicular lines, including the perpendicular bisector of a line segment; and constructing a line parallel to a given line through a point not on the line.*

G-CO.13 Construct an equilateral triangle, a square, and a regular hexagon inscribed in a circle.

Date	Topic	Homework
10/6	3.1 Properties of Parallel Lines	WB p26 #1-12
10/7	3.1 Properties of Parallel Lines	WS
10/10	3.2 Proving Lines Parallel	Tutor WS
10/11	3.2 Proving Lines Parallel	WS and WB p 28 #2-13
10/12	Quiz 3.1 to 3.2	Graded Review
10/13	3.3 Triangle Angle Sum Theorems	WB p30 #1-15
10/14	3.4 Polygon Angle Sum Theorems	WB p 32 #1-14
10/17	Quiz 3.3 to 3.4	Graded Review
10/18	3.5 Lines in the Coordinate Plane	WB p 33 #2-18 even
10/19	3.6 Slopes of Parallel and Perpendicular Lines	WB p 36 #2-14 even #15-20
10/20	3.6 Slopes of Parallel and Perpendicular Lines	WS
10/21	Review	WS
10/24	Review	WS
10/25	Test Chapter Three	Study
10/26	Test Chapter Three	Graded Review WS