Geometry: Unit Schedule

When			Student Objectives and Homework
11/10	Monday	1	**Properties of Angles and Parallel Lines** • Identify the relationship between angles found when a transversal intersects a pair of parallel lines. • Prove the angle sum theorem for any triangle. **Homework** Reasoning in Algebra and Geometry Packet, all circled problems.
11/11	Tuesday		**School Holiday, Veterans Day**
11/12	Wednesday	2	**Triangle Congruency** • Use the appropriate triangle congruency theorems to determine if two triangles are congruent. (SSS, SAS, AAS and HL • Prove triangles are congruent by using given information and the properties of congruent triangles to construct a two column proof. **Homework** Triangles packet, Section 1 and 2. All problems.
11/13	Thursday	3	**Triangle Congruency VS. Triangle Similarity** • Use CPCTC (corresponding parts of congruent triangles are congruent) to prove parts of a geometric figure are congruent. • Identify similar triangles using properties of similar figures. **Homework** Triangles packet Section 3, 4, and 5. All problems
11/14	Friday	4	**Triangle Similarity and Proofs** • Prove triangles are similar using given information and properties of similar triangles to write a two column proof. **Homework** Triangles packet Section 6, All problems **QUIZ** – Properties of Parallel Line and Triangle Congruency.
11/17	Monday	5	**Angle Relationships and Circles** • Use the properties of circles to derive the formula for sector area. • Determine arc length and arc measure for given central and inscribed angles. • Determine angle measures using the properties of central and inscribed angles. **Homework** Circles Packet Section 1, 2, and 3. All problems
11/18	Tuesday	6	**Angle Relationships and Circles continued** • Know the difference between interior and exterior angles of a circle and use the appropriate relationship to determine angle measure. • Use the Tangent Radius Theorem to find the measure of angles associated with a given circle. **Homework** Circles Packet Section 3 and 4. All problems **QUIZ** – Central Angles, Arcs and Sectors
11/19	Wednesday	7	**Segment Relationships and Circles** • Use properties of the chords and tangent lines of a circle to determine segment lengths. • Use the properties of an intersecting chord and diameter to determine segment lengths and angles measures. **Homework** Circles Packet Section 5 and 6. All problems
11/20	Thursday		**Review**
11/21	Friday		**Unit Test**

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