**Unit 8: Congruence and Similarity Part 2**

**State Standards:**

* **NC.M2.G-CO.6:** Determine whether two figures are congruent by specifying a rigid motion or sequence of rigid motions that will transform one figure onto the other.
* **NC.M2.G-CO.7:** Use the properties of rigid motions to show that two triangles are congruent if and only if corresponding pairs of sides and corresponding pairs of angles are congruent.
* **NC.M2.G-CO.8:** Use congruence in terms of rigid motion. Justify the ASA, SAS, and SSS criteria for triangle congruence. Use criteria for triangle congruence (ASA, SAS, SSS, HL) to determine whether two triangles are congruent.
* **NC.M2.G-CO.9:**Prove theorems about lines and angles and use them to prove relationships in geometric figures.
* **NC.M2.G-SRT.2:**Understand similarity in terms of transformations.
* **NC.M2.G-SRT.3:**Use transformations (rigid motions and dilations) to justify the AA criterion for triangle similarity.
* **NC.M2.G-SRT.4:**Use similarity to solve problems and to prove theorems about triangles. Use theorems about triangles to prove relationships in geometric figures.

|  |  |  |
| --- | --- | --- |
| Day 1:Tuesday, May 8th  | CPCTC |  |
| Day 2:Wednesday, May 9th  | Triangle Congruence (SSS, ASA, SAS, HL, AAS) With Proofs |  |
| Day 3:Thursday, May 10th  | More Proof Practice |  |
| Day 4:Friday, May 11th  | **Quiz (days 1-3)**Isosceles Triangle Theorem (ITT) & ConversePerpendicular Bisectors & Angle Bisectors |  |
| Day 5:Monday, May 14th  | Review for Unit 8 Test |  |
| Day 6:Tuesday, May 15th  | **Unit 8 Test** |  |

**For this unit you need to write the HW down every day in class as it is announced. Pay attention!!**