**Lesson Plan Outline Geometry in Construction**

**Title:**

Identify & define congruent triangles

**Objective(s):**

Students will determine if and what makes two triangles congruent

**Learning Standard(s):**

[CCSS.MATH.CONTENT.HSG.CO.B.6](http://www.corestandards.org/Math/Content/HSG/CO/B/6/)

Use geometric descriptions of rigid motions to transform figures and to predict the effect of a given rigid motion on a given figure; given two figures, use the definition of congruence in terms of rigid motions to decide if they are congruent.

**Activities:**

Students will use resources to determine if two triangles are congruent; students will create the definition of congruent triangles.

Student will name congruent parts of congruent figures; naming 6 parts of two congruent triangles that are congruent.

Students will be given parts of a triangle and will need to determine how many congruent triangles they can create using the given information

**Materials:**

Triangle Cut-Outs

Ruler and Protractor

Spaghetti Noodles or Sticks

Triangle Congruence W.S.