**Lesson Plan Outline Geometry in Construction**

**Title:**

Constructions inscribed in a circle

**Objective(s):**

The students will use properties of arc length, inscribed angles, and chords to create shapes inscribed in a circle

**Learning Standard(s):**

[CCSS.MATH.CONTENT.HSG.CO.D.13](http://www.corestandards.org/Math/Content/HSG/CO/D/13/)

Construct an equilateral triangle, a square, and a regular hexagon inscribed in a circle.

**Activities:**

Lines & Circles Formative Quiz

Students will create various shapes inscribed in a circle on paper; students will eventually plot out design on large scale

**Materials:**

Lines & Circles Formative Quiz

String, Chalk, Tape Measures

Constructions W.S.