**Lesson Plan Outline Geometry in Construction**

**Title:**

Inscribed & Circumscribed Circles of a Triangle

**Objective(s):**

Students will construct inscribed and circumscribed circles of a triangle

**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.

[*CCSS.MATH.CONTENT.HSG.C.A.3*](http://www.corestandards.org/Math/Content/HSG/C/A/3/)

Construct the inscribed and circumscribed circles of a triangle, and prove properties of angles for a quadrilateral inscribed in a circle.

**Activities:**

Inscribed shapes large scale activity continued

Students will utilized Google Maps and tools to create inscribed and circumscribed circles in a triangle; students will discuss the significance of these terms

**Materials:**

iPad with Geometry Pad App

Inscribed & Circumscribed Practice