Your group is assigned one of the following concepts.

Yellow Group: Congruence (CO)

Orange Group: Similarity, Right Triangles, and Trigonometry (SRT)

Purple Group: Circles (C)

Pink Group: Expressing Geometric Properties with Equations (GPE)

Blue Group: Geometric Measurement and Dimension (GMD)

There are several standards for each concept. As a group, you will choose the standard(s) you wish to teach. Refer to handout titled *CCSS: Geometry Mathematics Standards by Domain*.

After choosing standard(s), your group will write a lesson that includes each of the following components.

**Activity to Activate Prior Knowledge** (Review content students will need to know for the lesson.)

**Hook/Motivation for Lesson** (This may be an application problem.)

**Multiple Representations**

**Discovery Learning Technique** (Provide opportunity for students to make and test conjectures and to learn from each other. Use of hands-on activities)

**Assessment** (Use to determine if students have mastered the objective. It can take place throughout the lesson. It can be formal or informal.)

On Thursday, the members of your group will be divided into classrooms where one person from each color group will be represented. **Each person will teach the lesson to the people from the other color groups (and some high school students).**

For example, Room 1 will have 1 person from yellow, 1 from orange, 1 from purple, 1 from pink, and 1 from blue. Each of the people will present the lesson they wrote with their group to the members of the other groups.

You will be given 30 minutes to present your lesson. For the sake of time, you will briefly do an overview of your entire lesson, but will focus on having the participants **do** the discovery learning activity part of your lesson. Plan to spend no more than 10 minutes on your overview so that you can spend at least 20 minutes having the participants in the room do the discovery learning as if they were students.

Note: Time for group work has been built into the schedule. Lecture Hall A (next door) is available for groups to meet.