Euclid’s Elements
Stem Lesson Plan
Math Education Major

Overview
Students will have to recreate of the many elements that Euclid devised. They will take one of the Propositions recreate it, create a short presentation of their proposition using http://edu.glogster.com. Then they will do the same thing except in a group, with a different proposition.

Objective
- For students to have a interactive way to correctly learn the Propositions made by Euclid, as they are the basis for geometry, as they have been for over 2000 years.
- Also by working individually and collaboratively they will get a different look on how to approach these problems and broaden their way of thinking.
## Standards

<table>
<thead>
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<th>Geometry</th>
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<td>G.8.1</td>
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Use a variety of problem-solving strategies, such as drawing a diagram, making a chart, guess-and-check, solving a simpler problem, writing an equation, and working backwards.

## Materials

- A room that has a computer and a projector screen, so they can present their glog.
- Each student must use a computer outside of class, either their own or in a lab to create their glog.
- Pencil and paper
- Email for group interaction

## Procedure

1. The professor will introduce the Propositions as a whole. Then after he will divide up the Propositions, one to each student and then one to each group after dividing them up.

2. Then once the professor introduces the Propositions, he will preview Glogster for the students.

3. The Next class the professor will give the students the schedule for when they will be

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presenting their propositions.

4. Then the students will need to plan around the quizzes and tests when they will complete their presentation.

5. The Students will need to use [http://edu.glogster.com](http://edu.glogster.com), both individually and collaboratively to create their presentation

6. The key to this project is that each Proposition is in order and the students are essentially helping teach the material for the course.

**Evaluation**

- Students will be evaluated on the overall effectiveness of their glog and presentation.

- It must be 100% correct and seeing as they have all of the information readily available this should not be a problem.

- Also they will be evaluated on the creativity of their glogs as well.