

# LESSON PLAN - YouTube/Media Search Activity

## Overview

SUBJECT: Geometry

TOPIC: Modeling Mathematics: Making Sense of Postulates & Theorems

GRADE: 9 12

Students will use YouTube and other media (such as GeoGebra.org, KhanAcademy.org, and Wolfram MathWorld) to investigate the postulates and theorems that define our study of Geometry. Each student will contribute two or three of their best media resources to a class compendium at the end of each quarter.

## Materials

Access to the Internet.

[Ch 1 Postulates and Theorems](#) (Google form) and [the related responses](#) (Google spreadsheet)

- NOTES: This form should be duplicated and used as a template for each section/chapter/unit covered. The responses spreadsheet is set up so it can be viewed by students and so it sorts by the postulate/theorem number (user IDs and names are hidden).

## Instructions

Make sure all students have the ability to access the Internet using their own devices and/or arrange for computer time. As stated above, the Google form should be duplicated and used as a template for each section/chapter/unit covered.

## Resources

See "Materials," above.

## Rubric

A specific rubric has not been written. Students in my class are required to keep a notebook. There are many notebook quizzes/assessments throughout the quarter, but there is a big "portfolio" type grade at the end of each quarter. My plan is to have students choose their best two or three resources to include in their quarter notebook grade AND/OR to have students share their resources in class AND/OR to eventually build a wiki.

## Common Core Cluster/Standard

This hits Mathematical Practices #4 (Modeling with Mathematics) across all content areas of Geometry.



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