Honors Geometry

Similarity
Honors Geometry Curriculum

Power Objective	**P.O. #7: Analyze ratio/proportion relationship and similar figures. (P.O. #7 Proficiency Rubric)**
Academic Vocabulary	❏ extremes of a proportion ❏ ratio ❏ geometric mean ❏ scale drawing ❏ indirect measurement ❏ scale factor ❏ means of a proportion ❏ similar ❏ proportion ❏ similar polygons
Enduring Understandings *Students understand that...*	● Two geometric figures are similar when corresponding lengths are proportional and corresponding angles are congruent. ● Definitions establish meanings and remove possible misunderstanding. Other truths are more complex and difficult to see. It is often possible to verify complex truths by reasoning from simpler ones by using deductive reasoning. ● Visualization can help you see the relationships between two figures and help you connect the properties of real objects with two-dimensional drawings of these objects.
Essential Questions	● How do you use proportions to find side lengths in similar polygons? ● How do you show two triangles are similar? ● How do you identify corresponding parts of similar triangles?