| Name:<br>Adam Reeck | Grading Quarter:<br>2 | Week Beginning: November 6th |
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| School Year: 23-24 | Subject: Geometry | |

| | Notes: | | Academic Standards: |
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| **Monday** | Copy of math logs | **Objective:** Students will participate in outside activities applying the principles of similarity.<br><br>Lesson Overview: Applications of similarity of triangles.  Lumberjack activity.  Estimate where a tree will fall/land.  Goal post.<br><br>Bell work: Look at the list of world landmarks.  Choose several that are intriguing to you.  Find a website that gives an explanation of what they are.<br><br>Assignment: Aleks – Review Pie sectors | G.MG.1, G.CO.11, G.CO.12, G.GPE.4 |
| **Tuesday** | Notes: | Objective: Students draw and analyze dilated figures using tools or functions.<br><br>Lesson Foundations: Vocab, scale, proportions<br><br>Lesson Overview: Finding scale factor, image over pre-image, that number applies to all dimensions on the pre-image, Dilations on a coordinate plane<br><br>Bellwork: Solving proportions – Cross Products<br><br>Assignment: Worksheet on dilations | Academic Standards: G.CO.2, G.SRT.1 |
| **Wednesday** | Notes: | Objective: Students will solve problems using the properties of similarity.<br><br>Lesson foundations: Proportions, Corresponding parts<br><br>Lesson overview: Similarity Statements, Angles are congruent, sides are proportional, scale factor vs proportional<br><br>Bellwork: Aleks – Focus on Triangles, Polygons and Quadrilaterals<br><br>Assignment: Worksheet on Simlar figures and properties of similarity | Academic Standards: G.SRT.2 |

| | Notes: | Objective: Students use the AA similarity criterion to solve problems and prove triangles similar. | Academic Standards: G.SRT.2, G.SRT.3 |
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| Thursday | | Lesson Foundations: 8.1, 8.2 | |
| | | Lesson Overview: Angles are congruent, sides are proportional, set up a proprotion and solve | |
| | | Bellwork: Look at the list of world landmarks.  Choose several that are intriguing to you.  Find a website that gives an explanation of what they are. | |
| | | Homework: Worksheet on Similarity statements – AA Theorem | |
| Friday | Notes: | | Academic Standards: |

# Think about doing something with exploration