Name: Reeck	Grading Quarter: 3	Week Beginning: February 3rd
School Year: 2024-2025	Subject: Geometry Honors	

Monday	Notes: Grades	**Objective:** Students will pick a project by examining a the list of landmarks for their scale model projects as well as be introduced to Right triangle similarity. **Lesson Overview**: Handout – Special right triangles And we'll go over the project planning sheet and begin the process tomorrow. **Bell work:** Watch video on Scale model.	Academic Standards: G.GPE.4
Tuesday	Notes:	**Objective**: Students will work on the planning process for their scale model projects. Lesson Foundations: Chapter 8 – Similarity **Lesson Overview:** Review Similarity. Questions on all – review in Aleks. **Bellwork**: Watch Video of James Webb **Homework**: None	Academic Standards: G.SRT.4, G.CO.10, G.CO.12
Wednesday	Notes:	**Objective**: Students will begin Trigonometry by learning special triangle similarity. Lesson Foundations: Chapter 8 Lesson Overview: 45-45-90, 30-60-90 Triangles **Bellwork**: Draw a right, isosceles triangle with two of the side lengths equaling 1. What is the third length? How did you figure that out? Now do it with a right, scalene triangle with leg lengths of 1 and Radical 3. What is the hypotenuse? Review similarity for test. Work on Scale models. **Homework**: Special triangles worksheet.	Academic Standards: G.SRT.2, G.SRT.3

	Notes:		Academic Standards:
Thursday	**Notes:**	**Objective**: Students will solve problems involving relationships between parts of a right triangle and the altitude to its hypotenuse using the geometric mean. Lesson Foundations: Proportions, Triangle similarity Lesson Overview: Geometric mean, properties of the hypotenuse of a right triangle. **Bellwork**: Draw a right triangle. Label the sides and vertices of the triangle. Now draw an altitude from the right angle to the hypotenuse. Now label the vertices of the new triangles you just created. You now have three similar triangles! See if you can create similarity statements between the three triangles. Check in on Scale model projects. Dividing Radicals **Homework**: 9.1 (1-15), 9.4 (1-18) odd	Academic Standards: G.SRT.2, G.SRT.3, G.SRT.4, G.SRT.5, G.CO.10, G.CO.12
Friday	Notes:	**Objective**: Students will solve problems involving relationships between parts of a right triangle and the altitude to its hypotenuse using the geometric mean. Lesson Foundations: Proportions, Triangle similarity Lesson Overview: Geometric mean, properties of the hypotenuse of a right triangle. **Bellwork**: Draw a right triangle. Label the sides and vertices of the triangle. Now draw an altitude from the right angle to the hypotenuse. Now label the vertices of the new triangles you just created. You now have three similar triangles! See if you can create similarity statements between the three triangles. Check in on Scale model projects. Dividing Radicals **Homework**: 9.1 (1-15), 9.4 (1-18) odd	Academic Standards: G.CO.2, G.SRT.1, G.SRT.2, G.GPE.4, G.SRT.2, G.SRT.3