Name: Adam Reeck	Grading Quarter: 2	Week Beginning: December 3rd
School Year: 23-24	Subject: Geometry - Honors	

	Notes:		Academic Standards:
Monday	Copy of math logs	Objective: Students find the areas of circles and sectors by using the formulas they derive. Students will identify the shapes created by cuts to a cross-section of a solid. They will also identify 3-D shapes created by rotations about an axis. Lesson Foundations: Circles, Fractions Lesson Overview: Finish circle worksheet from Friday – include radians, then do charcuterie while we do scale models. Bellwork: What is a cross section? What happens when a two-dimensional object is rotated around a line very quickly? What kind of object is "formed?" Check your grades. Homework: Finish Sector area worksheets	G.MG.3, G.MD.1
Tuesday	Notes: Take a picture of Scale Model projects.	Objective: Students will find surface areas of prisms and cylinders and derive their formulas. Students will find surface areas of pyramids and cones and derive their formulas. Lesson Foundations: Surface area, Pyramids, Cones, Prisms, Cylinders Lesson Overview: Using formulas Bellwork: Look up the definition of Surface Area. What are the formulas for Cones, Pyramids, Prisms, and Cylinders? What is the one dimension we haven't seen yet? How is slant height related to a right triangle? Classwork: 11.4 (1-19), Aleks	Academic Standards: G.MG.3
Wednesday	Notes:	Objective: Students will find areas of regular polygons by using the formulas they derive. Lesson Overview: Regular polygons, finding angles, apothem, similar triangles Bellwork: Similar triangles problems. Homework: 11.2 (1-13)	Academic Standards: G.MG.3

| | Notes: | Objective: Students will find measures of similar solids by using scale factors. Students will solve real-world problems using density by using area and volume.

Lesson Overview: Using formulas, Density, scale factors, proportions, ratios

Bellwork: Draw a square with sides of 1. Draw a square with sides of 3. What is the ratio of its sides, perimeters, now draw a cube with the same dimensions. Compare the volumes.

Homework: 11.1 (1-25) Fraction Worksheet | Academic Standards: G.MG.2, G.MD.3 |
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| Thursday | | | |
| Friday | Notes: | Objective: Students will continue their Finals study guides and they will review this week by asking questions and completing unfinished problems.

Lesson Overview: Using formulas, solving for different variables in a formula

Bellwork: Add to your review study sheet.

Classwork: Finish week's problems, Aleks | Academic Standards: G.MG.3, G.MD.1, G.MG.2 |

Think about doing something with exploration