Name: Thompson	Grading Quarter: 8	Week Beginning: 4/14/25
School Year: 24/25	Subject: Geometry	

Monday	Notes: **Module 11-3**	Objective: SWBAT find areas of circles and sectors by using the formulas they derive. Lesson Overview: • Review area and circumference of circles formulas. • Direct Instruction learn arc length and sector area • Practice and example problems with attached packet. • Solve 3 application problems (word problems) using arc length and sector are formulas.	Academic Standards: **G.C.5** Derive using similarity the fact that the length of the arc intercepted by and angle is proportional to the radius and define the radian measure of the angle as the constant proportionality; derive the formulas for the area of a sector.
Tuesday	Notes: **11-6**	Objective: SWBAT find the volumes of prisms and pyramids by using the formulas they derive. Lesson Overview: • Learn Volume of Rectangular Prisms (notes) direct instruction. • Teacher led do 4 practice problems • Students Complete practice problems worksheet attached packet.	Academic Standards: **G.GMD.1** Give an informal argument for the formulas for the circumference of a circle, area of a circle volume of a cylinder, pyramid, and cone. **G.GMD.2** Give an informal argument using Cavalieri's principle for the formulas for the volume of a sphere and other solid figures. **G.GMS.3** Use volume formulas for cylinders, pyramids, cones and spheres to solve problems.

Wednesday	Notes: **11-6 continued**	Objective: SWBAT find the volumes of prisms and pyramids by using the formulas they derive. Lesson overview: • Learn Volume of Pyramids formula (direct instruction) • Practice 4 problems together • Finish worksheet in groups or individually	Academic Standards: **G.GMD.1** Give an informal argument for the formulas for the circumference of a circle, area of a circle volume of a cylinder, pyramid, and cone. **G.GMD.2** Give an informal argument using Cavalieri's principle for the formulas for the volume of a sphere and other solid figures. **G.GMS.3** Use volume formulas for cylinders, pyramids, cones and spheres to solve problems.

Thursday	Notes: **11- 7**	Objective: SWBAT find volume of cylinders, cones, and spheres by using the formulas they derive. Lesson Overview: • Learn Volume of Cylinders and Cones (direct instruction) • Complete practice problems (4 teacher led, the rest students do in groups or individually)	Academic Standards: **G.GMD.1** Give an informal argument for the formulas for the circumference of a circle, area of a circle volume of a cylinder, pyramid, and cone. **G.GMD.2** Give an informal argument using Cavalieri's principle for the formulas for the volume of a sphere and other solid figures. **G.GMS.3** Use volume formulas for cylinders, pyramids, cones and spheres to solve problems.
Friday	Notes:	NO SCHOOL	Academic Standards: