

Name: Mrs. Woods		Grading Quarter: 2	Week Beginning: 12/04/23
School Year: 23-24		Subject: MAT 142	
Monday	Notes:	<p>Objective: Students will be able to create linear models to solve real-world problems.</p> <p>Lesson Overview: Reteach – linear growth vs linear decay, slope, starting value or y-intercept Model several real-world examples first Students work with a partner to practice Introduce exponential growth/decay project</p>	<p>Academic Standards:</p> <p>NPC.CO9. Define Functions and Modeling of Functions.</p>
Tuesday	Notes:	<p>Objective: Students will be able to apply geometric formulas to real-world situations.</p> <p>Lesson Overview: Notes – formulas for area (circle, rectangle, triangle) and volume (rectangular prism, sphere), points, lines, planes and their applications</p>	<p>Academic Standards:</p> <p>NPC.CO10. State Dimensions of Points, Lines, Planes and Measure Angles. NPC.CO11. Solve Geometric Figures in 2-Dimensional and 3-Dimensional Planes.</p>
Wednesday	Notes:	<p>Objective: Students will be able to apply geometric formulas to real-world situations.</p> <p>Lesson Overview: Notes – slope, pitch, vs grade Angles in construction Angles in airplane routes</p>	<p>Academic Standards:</p> <p>NPC.CO10. State Dimensions of Points, Lines, Planes and Measure Angles. NPC.CO11. Solve Geometric Figures in 2-Dimensional and 3-Dimensional Planes.</p>
Thursday	Notes:	<p>Objective: Students will be able to apply geometric formulas to real-world situations.</p> <p>Lesson Overview: Notes – application of scales in maps, drawings, and how to use ratios and proportions to solve Indirect measurement using shadows outside</p>	<p>Academic Standards:</p> <p>NPC.CO10. State Dimensions of Points, Lines, Planes and Measure Angles. NPC.CO11. Solve Geometric Figures in 2-Dimensional and 3-Dimensional Planes.</p>

Friday	Notes:	<p>Objective: Students will be able to apply geometric formulas to real-world situations.</p> <p>Lesson Overview: Indirect measurement experiment using ratio and proportions to solve for missing heights</p>	<p>Academic Standards:</p> <p>NPC.CO10. State Dimensions of Points, Lines, Planes and Measure Angles.</p> <p>NPC.CO11. Solve Geometric Figures in 2-Dimensional and 3-Dimensional Planes.</p>
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