

Name: Woods		Grading Quarter:1	Week Beginning: 8/21/23
School Year: 23-24		Subject: MAT 142	
Monday	Notes:	<p>Objective: Students will use dimensional analysis to convert units.</p> <p>Lesson Overview:</p> <p>Notes: Conversion factors for length (in, cm, ft, yd, mi), time (sec, min, hr, etc), volume (cup, gallon, etc), currency (dollar, euro, peso, etc), and temperature (F, C). Focus on the importance of writing units in the problem and “cancelling out” the units from the numerator and denominator.</p>	Academic Standards: NPC.CO2. Apply Problem Solving Strategies to Applications.
Tuesday	Notes:	<p>Objective: Students will use dimensional analysis to convert units.</p> <p>Lesson Overview:</p> <p><i>This is a review day. Juniors and Seniors will have just finished the ASVAB test, so there will be no new content today.</i></p> <p>Notes: Conversion factors for length (in, cm, ft, yd, mi), time (sec, min, hr, etc), volume (cup, gallon, etc), currency (dollar, euro, peso, etc), and temperature (F, C). Focus on the importance of writing units in the problem and “cancelling out” the units from the numerator and denominator.</p>	Academic Standards: NPC.CO2. Apply Problem Solving Strategies to Applications.
Wednesday	Notes:	<p>Objective: Students will explore different problems solving techniques to solve a variety of word problems.</p> <p>Lesson Overview:</p> <p>Notes: Problem solving strategies: Focus on different variables, re-word the question, use a similar but simpler problem, etc. (List in textbook)</p> <p>The hummingbird problem</p> <p>The coffee and milk problem</p> <p>The adult/child ticket problem</p>	Academic Standards: NPC.CO2. Apply Problem Solving Strategies to Applications.
Thursday	Notes:	<p>Objective: Students will use exponents to convert two- and three-dimensional units.</p> <p>Lesson Overview:</p> <p>Use several real-world examples to teach how to convert area and volume to different units: ice cube melting, doubling the size of a yard, increasing the size of a pan, etc.</p>	Academic Standards: NPC.CO2. Apply Problem Solving Strategies to Applications.

Friday	Notes:	<p>Objective: Students will use exponents to convert two- and three-dimensional units.</p> <p>Lesson Overview:</p> <p>Use several real-world examples to teach how to convert area and volume to different units: ice cube melting, doubling the size of a yard, increasing the size of a pan, etc.</p>	<p>Academic Standards:</p> <p>NPC.CO2. Apply Problem Solving Strategies to Applications.</p>
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