

Name: Woods		Grading Quarter:3	Week Beginning: 1/22/24
School Year: 23-24		Subject: MAT 142	
Monday	Notes:	<p>Objective: Students will be able to use deductive reasoning to determine the validity of a logical argument.</p> <p>Lesson Overview:</p> <p>Taking broad generalizations or theories and applying them to specific examples. Use examples with Venn diagrams to show whether or not valid reasoning is used. (Example: All US presidents have been men. If I am not a man, then I have not been a president. <i>Valid</i> Beyonce has never been a president. Therefore, she is not a man. <i>Invalid</i>)</p>	<p>Academic Standards:</p> <p>NPC.CO2. Apply Problem Solving Strategies to Applications.</p>
Tuesday	Notes:	<p>Objective: Students will show mastery of the Unit 1 concepts in the unit review.</p> <p>Lesson Overview:</p> <p>Use review questions from the end of the chapter in the textbook to play “trashketball” review game.</p>	<p>Academic Standards:</p> <p>NPC.CO2. Apply Problem Solving Strategies to Applications.</p>
Wednesday	Notes:	<p>Objective: Students will show mastery of the Unit 1 concepts in the unit assessment.</p> <p>Lesson Overview:</p> <p>Unit 1 Exam</p>	<p>Academic Standards:</p> <p>NPC.CO2. Apply Problem Solving Strategies to Applications.</p>
Thursday	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>	<p>Academic Standards:</p> <p>NPC.CO2. Apply Problem Solving Strategies to Applications.</p>
Friday	Notes:	<p>Objective: Students will use dimensional analysis to convert rates.</p> <p>Lesson Overview:</p> <p>Notes: Real-world examples of rates (\$/lb at grocery store, mph in car, \$/hr in salary). Convert rates using same dimensional analysis process from previous lesson. Students work in pairs to convert the worksheet examples.</p>	<p>Academic Standards:</p> <p>NPC.CO2. Apply Problem Solving Strategies to Applications.</p>