

Name: Woods		Grading Quarter:3	Week Beginning: 1/15/24
School Year: 23-24		Subject: MAT 142	
Monday	Notes:	No school	Academic Standards:
Tuesday	Notes:	<p>Objective: Students will be able to create Venn diagrams for conditional statements.</p> <p>Lesson Overview:</p> <p>Take notes: How conditionals can be represented with a Venn diagram. Discuss “all,” “some,” and “no” examples. Also do examples with numbers. Use Khan Academy examples for independent practice.</p>	Academic Standards: NPC.CO2. Apply Problem Solving Strategies to Applications.
Wednesday	Notes:	<p>Objective: Students will be able to use inductive reasoning to determine the validity of a logical argument.</p> <p>Lesson Overview:</p> <p>Specific examples and instances lead you to broad conclusions or generalizations. Use real-world examples (the sun coming up, being allergic to animals, etc.) Students create their own examples on sticky notes. Use worksheet to determine if examples use valid reasoning or not.</p>	Academic Standards: NPC.CO2. Apply Problem Solving Strategies to Applications.
Thursday	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>	Academic Standards: NPC.CO2. Apply Problem Solving Strategies to Applications.

Friday	Notes:	<p>Objective: Students will be able to use inductive and deductive reasoning to make valid logical arguments.</p> <p>Lesson Overview:</p> <p>Wrap up from the previous two days. Include extra examples to support student understanding and answer questions. Use formative assessments techniques to determine where the misconceptions are.</p>	<p>Academic Standards: NPC.CO2. Apply Problem Solving Strategies to Applications.</p>
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