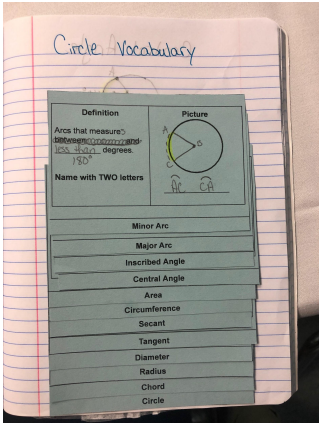


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FREE LANGUAGE-BASED TEACHING STRATEGIES

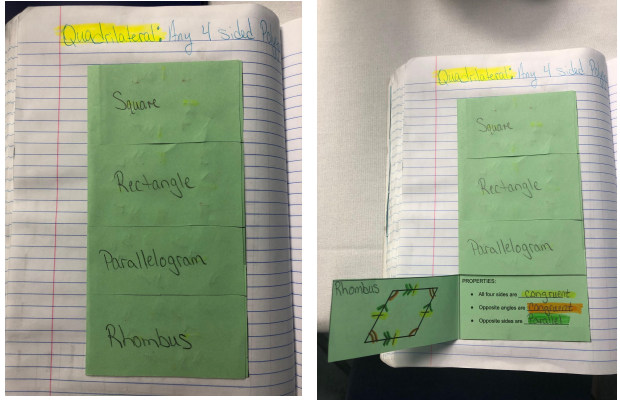
Math Interactive Notebooks

The primary function of an interactive notebook, regardless of the subject, is to help students organize the vast quantity of materials and concepts embedded in a given course. For math content, they can be used to help students learn formulas and/or concepts relevant to a unit of study. These notebooks can serve as a reference for formulas, angles, shapes, or other math vocabulary. They can also draw a clear connection between concepts taught throughout the course, be a great visual study aid, and help with word problems and other types of assessment.

Strategy	Description	Visual Example
<p>Interactive flash cards</p> <p><i>*the following examples are from a Geometry class</i></p>	<p>Use interactive flash cards to categorize vocabulary for a given unit.</p> <p>This example helps students organize and categorize vocabulary associated with circles. Each time a new vocabulary word is introduced, the students add a new templated flashcard. They do this by lifting the last card up and taping the new card underneath so that the vocabulary term on the bottom of the card is visible once all the cards are laying flat. Since all of the vocabulary terms are visible, students can quickly search for a term and lift the cards up to see the definition and picture.</p>	

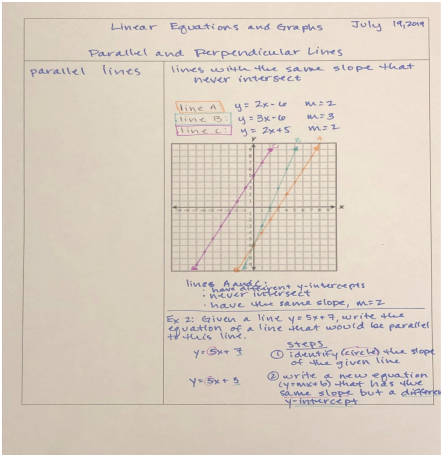
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Strategy	Description	Visual Example
<p>Interactive flash cards</p> <p><i>*the following examples are from a Geometry class</i></p>	<p>Use interactive flash cards to categorize similar information. This example asks students to categorize information by quadrilaterals. The names of the quadrilaterals are listed on the front so students can easily and quickly identify the quadrilaterals. Students can then select a specific quadrilateral and flip it open to reveal a clear diagram, as well as a definition with key properties.</p>	

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Strategy	Description	Visual Example
<p>Note-taking</p> <p><i>*the following examples are from a Algebra and Geometry classroom</i></p>	<ul style="list-style-type: none"> <p>Use two column notes to explain the visual representation on parallel lines. The main idea is in the left hand column: "parallel lines." The definition, as well as a visual representation of how parallel lines look on a coordinate plane, are also included within the notes. Students are also provided with an example of how to find a parallel line using an equation. Students would be asked to glue the template in their notebook and take notes throughout class.</p> 	
	<ul style="list-style-type: none"> <p>Extend the two-column note framework to three columns, which lends itself nicely to math, especially in Geometry. The notes are titled "Geometric Diagrams and Notation," again helping students organize and categorize information. The terms in the left hand column, with the symbol in the middle column and a diagram in the right column. Students would be asked to glue this template in their notebook and complete the notes in class.</p> 	