

ABC Book

Standards

Content

Students will be able to...

- Apply mathematical knowledge to real world situations
- Demonstrate relationships among geometrical concepts
- Create models of geometrical concepts
- Identify and explain relationships between points, lines, and planes
- Identify and explain relationships among angles
- Identify and explain triangles and their properties
- Identify and explain polygons and their properties

Process

Students will be able to...

- Demonstrate effective writing skills

Task Description and Criteria

You are a children's book author and your job is to create a children's Geometry ABC Book. The book is to be written covering a variety of geometrical concepts that you have learned this year. It is to be used as a review tool for yourself and for others. The vocabulary words and concepts you choose to use must come from your text book and the class notes. You cannot include anything we did not cover in class. For the book itself, I am looking for the following items:

Each page must include the letter of the alphabet

Each page must include the vocabulary word that starts with that letter

Each page must include a diagram

Each page must include a paragraph explanation of the vocabulary word (minimum of 3 sentences)

Have fun with this and make your book colorful and exciting to look at. Your grade will also include neatness and creativity of the book.

Your grade will be based on the following criteria:

- ❖ All letters used
- ❖ Vocabulary Word Chosen appropriately
- ❖ Diagram included
- ❖ Explanation included
- ❖ Written well (minimum of 3 sentences, spelling, grammar)
- ❖ Book construction (neatness, creativity, colorful)

Rubric

Criteria	Unacceptable (0 pts)	Acceptable (3 pts)	Outstanding (5 pts)
Alphabet Letters Included	Not all letters of the alphabet included	Most letters of the alphabet included, only missing 1-2	All letters of the alphabet included
Vocabulary Words Chosen Appropriately	No vocabulary words included or words chosen were not covered in class	Most vocabulary words started with the correct letter, a couple did not	All vocabulary words were chosen from class and started with the correct letter
Diagrams	No diagrams included	Most diagrams included, not accurately or well constructed	All diagrams included, drawn accurately, and well constructed
Explanations	No explanations included	Most explanations included, but not at least 3 sentences or not accurate	All explanations are included, at least 3 sentences, and accurate
Writing Quality	Written without using complete sentences, or not legible	Written with many spelling and grammar mistakes, poor sentence structure	Written neatly with no spelling or grammar mistakes and complete sentences
Book Construction	No book constructed	Book and pages are colorful and somewhat neat	Book and pages are creative, colorful, and very neatly presented

/ 30 points

X 2

Total: / 60 points