

Title: THE ABC'S of MATH Book

Grade/Subject: 6th grade Math

Lesson Overview:

This culminating math activity enables students to create and design their own ABC math book. This book is made up of Math vocabulary words of their own choice along with student created definitions and examples. The students use FabLab and Microsoft Word software to design shapes which are then cut out using the Silhouette printer/cutter.

Benchmarks/Standards: Basically ALL of the 6th grade benchmarks. It depends on what math terms the students choose for their ABC book.

Lesson Materials:

- ◆ Student Laptops
- ◆ FabLab software
- ◆ Microsoft Word software
- ◆ Colored Card Stock
- ◆ Glue Sticks
- ◆ Silhouette printer/cutter
- ◆ ABC Book template (attached)

Getting Started:

- ◆ I have my students plan their words for their book two months before the year ends.
- ◆ They save a page in their math tablet and dedicate it for their main list. This list goes from A-Z and they choose which terms they want to use for their book.
- ◆ Teacher checks each list so that each student chooses math terms that are on the sixth grade level.
- ◆ Students can also choose words from their glossary in their math textbook.

Creating the ABC Book:

- ◆ I usually have my students start on their books 26 days before the end of the school year.
- ◆ At the end of each lesson I pass out their books and have the students work on their letter of the day.
- ◆ It usually takes about 10-15 minutes to complete a page (attached).
- ◆ They must create their own definitions and examples.
- ◆ They can also use FabLab software or Microsoft Word to create shapes for their book.
- ◆ When they are done with their letters, they finish their book by decorating their title page (attached).

Assessment:

- ◆ I usually turn this into a 104 point project.
- ◆ I assess each page by scoring the definition and example as 2 points each.

Beyond the Lesson:

- ◆ Students can take their books with them to use as a resource in their 7th grade math classes.