

Name: Ellen Montgomery

Grade Level/Subject: 9th, Algebra I

Topic: Oh the THINKS You can Think:
Textbook Overview/Math Taxonomy

Objectives (P.A.S.S.): Process Standard 1: Problem Solving

1. Apply a wide variety of problem-solving strategies to solve problems from within and outside mathematics.

Introduction: Read the book "Oh, the THINKS You Can Think!" by Dr. Seuss.
Ask, "What do you suppose this math class will require of you?"
We have textbooks to help us learn to think.

Instructional process: Hand out textbooks, record book number and introduce the book to the students by looking at the Table of Contents. Briefly look at each chapter title, skimming through what each involves. Under Student Resources, go to the back, paying attention to the color coding of the book itself, and arriving at the colored pages of resource pages. Skim through each section, getting a feel for the help which the book provides--skills review, extra practice, tables, glossary index, and selected answers.

Without going into an indepth look at each page (which will come later), have them take out their required notebook.

Explain that now we will make a table of contents for our very own section of vocabulary in the notebook. Introduce the word Taxonomy, and begin explaining how to list the letters of the alphabet, and numbering the pages following.

It was helpful to place the first word from chapter one, [variable], into the taxonomy so that they could actually use it.

Closure: Math requires you to THINK, as Dr. Seuss encourages, and an important aspect of thinking is organization. That is what we have looked at in our textbook, and that is what we have begun in our notebook.

Assessment: Bell Work on the following day:
What is the purpose of a math taxonomy?

Modifications/Accommodations: Slower students will need to use the vocabulary words appropriate for their needs.

Reflection: Initially, I planned to cover the specifics of individual helps on each page; however, the students' attention was wavering so I just moved into the taxonomy. According to their journaling, most students understood the connection of the taxonomy to the table of contents.