

IMPROVING TEACHER QUALITY

Mathematics Within: Algebraic Processes and Its Connection to Geometry

Janet M. Lundquist

Broad Topic: Fractions

Subtopic: Vocabulary

Aim: It is a goal of mine throughout the year to have students become more actively involved with their learning. I want to instill with the middle school age students that what they think about is important. During the year, I am going to implement differentiation as a way to reach more students, and an activity that I will incorporate is the creation of a vocabulary list that the students will generate. These words will then be a guide for them as they do their activities and as they orally defend the work that they are accomplishing. The NCTM standards as well as the Minnesota Standards will guide the topics that I will teach. From this perspective, I think that this activity will engage the students with the texts in the room as well as give them an opportunity to recall prior knowledge. I believe that this activity will create a classroom environment that is safe and an environment where their ideas are welcome and expected.

Specific Objectives:

- Students will work in small groups
- Each student will be actively involved in finding vocabulary words in a textbook
- Students will create a list of words specifically needed for fractions

Materials/Supplies:

- Textbook
- Chart paper

Reference:

- Any textbook from the shelf

Introduction

Students will have created a K-W-L (Know- Want to know- Learned) sheet and will have filled out the K and W. From this information I will have an idea of the words that the students specifically relate to fractions. This activity will allow students the time to look over a text and find other words that specifically relate to fractions. As a class they will create the list of words that they will be expected to use throughout the unit. These words will be a guide for scoring during their oral defense of completed activities.

Body

What key words are highlighted throughout the text?

What key words are used in the directions?

Students will create a vocabulary definition sheet.

Close

Students will have created their class list of vocabulary words for use through out the unit.

Application/Assessment

Vocabulary quiz to be taken orally or with paper and pencil by a specific date

Words with their working definitions will be used throughout the unit to defend their completed assignments in written or oral form.