

Grade 4/5 Mathematics

Year Plan

Mrs. J. Basnett

Course Overview

The main goals of mathematics education are to prepare students to:

- use mathematics confidently to solve problems
- communicate and reason mathematically
- appreciate and value mathematics
- make connections between mathematics and its applications
- commit themselves to lifelong learning
- become mathematically literate adults, using mathematics to contribute to society.

Scope and Sequence

Timeline	Grade 4 Topic	Grade 5 Topic	Curriculum Strand
September	Critical Thinking	Critical Thinking	All
September	1. Patterns & Equations	1. Patterns & Equations	Patterns & Relations
October	2. Whole Numbers	2. Whole Numbers	Number
November	3. Multiplication & Division Facts	3. Multiplying & Dividing Whole Numbers	Number
December	Review 1-3	Review 1-3	
January	4. Measurement	4. Measurement	Shape & Space
February	5. Fractions & Decimals	5. Fractions & Decimals	Number
March	6. Geometry	6. Geometry	Shape & Space
April	Review 1-6	Review 1-6	
April	7. Data Analysis	7. Statistics & Probability	Statistics & Probability
May	8. Multiplying & Dividing Larger Numbers Larger Numbers	8. Transformations	Number
June	Review 1-8	Review 1-8	

Instructional Strategies

Direct Instruction Modeling Practice Explorations Experimentation Group Work Peer Teaching Manipulatives

Resources

Math Makes Sense 4, 5, text book, workbooks, supplemental materials; Games, in class and online; Use National Library of Virtual Manipulatives: <http://nlvm.usu.edu/en/nav/vlibrary.html>; interactive activities - <http://www.squeakland.org/>

Evaluation

Daily Work Checklist, Lesson Marking, Unit Tests, Projects