

Math Year Plans 2011/12  
Mindy Rowe  
Worsley Central School

Math: In math we work on both curriculums for each grade.

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 them to lifelong learning
- become mathematically literate adults, using mathematics to contribute to society.

Instructional Strategies- Will include Direct Teaching, Guided Discovery, Modelling, Peer/Partner Learning, Inquiry, Group work, and many others.

Our Math Community:

Ideally students should be confident, engaged and feeling that their needs are being met. A variety of activities will be applied this year to effectively teach all students in their preferred learning styles. Our classroom will strive to be an open, safe place where students will feel comfortable exploring the math outcomes outlines the Alberta Program of Studies.

Materials:

- Pearson's Math Makes Sense Program
- Hands-on Manipulative (base-ten blocks, counters, money, fraction pieces, Mira, and more)
- Smart Board Interactive ( lessons, manipulative, Internet)
  - Math makes sense
  - Math Center/Folder Games
  - Math Journey
  - Mathways

Assessment:

Each class will complete a series of 8 units. Each unit will be based directly from the general and specific outcomes from the Program of Studies. In each unit the students will be assessed in a variety of ways to ensure the most reliable information is reported to the school and the parents about a student’s progress. The students will be evaluated based on a 1-4 scale being used in our new report cards this year.

Each unit will consist of:

- Observation reports/anecdotal records
- Checklists/Rubrics
- Practice Book work
- Self-assessments
- Unit Problem/Performance Task/ Special Activities.
- Unit Test

Timeline:

	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr.	May	June
Units :	Patterns	1- Numbers to 20 2-numbers to 100	Continue from Oct. 1’s-Addition and Subtraction 12 2’s- Addition and Subtraction to 18	1’s- Addition and Subtraction 12 2’s- Addition and Subtraction to 18	Measurement both grades	Continue measurement. 1-numbers to 100 2-addition and subtraction to 100.	1-numbers to 100 2-addition and subtraction to 100.  Start geometry for both grades.	Continue geometry.  1-addition and subtraction to 20  2-data analysis	1-addition and subtraction to 20  2-data analysis	Review both grades