Grade 8 Term 2

Curriculum Overview

Math Mr. Cripps

Each strand is addressed with a major emphasis and strands are interrelated whenever possible to provide a rich variety of math experiences for students.

**Term 2**

**Unit 3: Operations with Fractions**

**Cumulative Review**

**General outcome**

Develop number sense

**Specific outcomes**

**N6:** Demonstrate an understanding of multiplying and dividing positive fractions and mixed numbers, concretely, pictorially and symbolically.

**Lessons**

Using models to multiply fractions and whole numbers.

Using models to multiply

Multiplying fractions and mixed numbers

Dividing whole numbers and fractions with models.

Dividing fractions

Dividing mixed numbers

Problem solving with fractions

Order of operation with fractions

**Unit 4 : Measuring Prisms and Cylinders**

**General Outcome 1**

**Cluster 1** : Exploring nets and surface area.

-Use direct or indirect measurements to solve problems.

Specific Outcomes

SS2: Draw and construct nets for 3-D objects.

SS3: Determine the surface area of:

* right rectangular prisms
* right triangular prisms
* right cylinders

to solve problems.

Lessons

* Exploring nets
* Creating objects from nets
* Finding surface area of a right triangular prism
* Finding surface area of a right rectangular prism

**General Outcome 2**

**Cluster 2** : Measuring Volume and Capacity.

* Use direct or indirect measurement to solve problems

Specific Outcomes

**SS4: Develop and apply formulas** **for determining the volume** **of right prisms and right** **cylinders.**

Lessons

* Find the volume of right rectangular prism.
* Find the volume of right triangular prism.

**General Outcome 3**

**Cluster 3** : Extending to Cylinders

* Use direct or indirect measurement to solve problems

Specific Outcomes

SS3: Determine the surface area of:

right rectangular prisms

* right triangular prisms
* right cylinders

to solve problems.

SS4: Develop and apply formulas for determining the volume of right prisms and right cylinders.

Lessons

* Find the surface area of a right cylinder.
* Find the volume of a right cylinder.

Marking Scheme

Class work (anecdotal), Participation 20%

Homework assignments 10%

Mental Math 10%

Quizzes 20%

Test 40%