Course Outline
Mathematics Grade 8
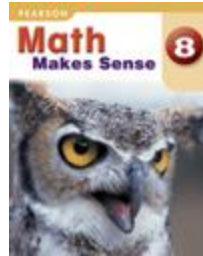## 2023-2024

Teacher:

Melissa O'Keefe

Text Book:

Math Makes Sense 8

Mental Math is worked on throughout the year, in various units

Work will consist of:

Class/Homework   (IMPORTANT)

Test/Quizzes / Assignments

Observations & Conversations

Expectation is to follow the school rules, come to class prepare to do work. Everything that is done on the board is a part of your notes and must be written down. **You are expected to bring your notebooks, textbooks, pencils and calculators every day**. Stay positive, work hard and respect yourself and others.

Extra help is between 2:00- 3:00 each Tuesday.

 All HOMEWORK and NOTES are available on the school website http://blackville.nbed.nb.ca/

Click on the "Teacher's Page " ⟶ "M. O'Keefe"

PHONES **CANNOT** BE USED AS CALCULATORS

No Phones out in the classroom

There may be district assessments this year but the date and time has not been releases

On the following page you will see a list of topics, curriculum outcomes and timeline for the entire year.

Let's make this year a fun and successful MATHEMATICAL year.

Topics & Sections From "Math Makes Sense 8"

Grade 8	Term 1	Term 2	Term 3
	N7: Demonstrate an understanding of multiplication and division of integers, concretely, pictorially, and symbolically Solve a given problem involving integers. **(All Ch. 2)** **4weeks**	**N6:** Demonstrate an understanding of multiplying and dividing positive fractions and mixed numbers, concretely, pictorially, and symbolically. **(All Ch. 3)** **5weeks**	**N3:** Demonstrate an understanding of percent greater than or equal to 0% **(Ch. 5 Section 5.1 to 5.6)** **N4:** Demonstrate an understanding of ratio and rate. **(Rest of Ch 5)** **N5:** Solve problems that involve rates, ratios, and proportional reasoning. **(Rest of Ch.5)**
	PR1: Graph and analyze two-variable linear relations. **(Ch. 6- Section 6.6, 6.7)** **1-2 weeks**	**PR2:** Model and solve problems using linear equations of the form: concretely, pictorially, and symbolically $ax = b$; $\frac{a}{x} = b$, $a \neq 0$; $\frac{a}{x} + b = c$; $a x + b = c$ $a \neq 0$; $a(x + b) = c$ **(All Ch. 6)** **_weeks**	
	SS2: Draw and construct nets for 3-D objects. **(Ch. 4- Section 4.1, 4.2)** **1 week**	**SS1:** Develop and apply the Pythagorean theorem to solve problems. **(All Ch. 1)** **4weeks**	**SS3:** Determine the surface area of: -right rectangular prisms -right triangular prisms -right cylinders to solve problems. **(Ch.4)**
	SS5: Draw and interpret top, front, and side views of 3-D objects composed of right rectangular prisms. **(Ch8 -Section 8.1, 8.2)** **1-2 weeks**		**SS4:** Develop and apply formulas for determining the volume of right prisms and right cylinders. **(Ch.4)**
		SP1: Critique ways in which data is presented. **(Part Ch7- Section 7.1, 7.2)**	