

The goal of Grade 8 mathematics is to prepare students to: Use mathematics confidently to solve problems, communicate and reason mathematically, appreciate and value math, make connections between math and its applications and use math to contribute to society. To do this, the curriculum focuses on four different strands.

These strands are Number, Patterns and Relations, Shape and Space, and Statics and Probability. Throughout the course students will develop communication skills, connection skills, mental math and estimation, problem solving, reasoning and visualization. These skills will help the students to demonstrate an understanding of the concepts in each of the four mathematical strands.

Units:

Chapter	4CLASSES	Approximate Dates
Chapter 1 – Square Roots and the Pythagorean Theorem	13	Sept.1 – Sept. 30
Chapter 2 – Integers	14	Oct. 1 – Oct. 30
Chapter 3 – Operations with Fractions	17	Nov. 1 – Nov. 30
Chapter 4 – Measuring Prisms and Cylinders	15	Dec. 1 – Jan 30
Chapter 5 – Percent, Ratio, and Rate	15	Feb 1 – Feb 28
Chapter 6 – Linear Equations and Graphing	10	March 1 – March 30
Chapter 7 – Data Analysis and Probability	14	April 1 – April 30
Chapter 8 – Geometry	15	May 1 - May 30
Year End Review	9	June 1– June 20

Assessments:

<u>Assessment Methods</u>	<u>Final Grading</u>	<u>Instructional Methods</u>
<ul style="list-style-type: none"> ▪ Daily assignments ▪ Quizzes ▪ Projects ▪ Tests ▪ Final Exam 	<p>Each Unit: Assignments/Quizzes = 40% Tests = 60%</p> <p>-----</p> <p>Course Work - 75% Each Term is worth - 25% Final Exam - 25%</p>	<ul style="list-style-type: none"> - Formal Lecture - Self-discovery - Peer Support - Mentoring - Co-operative - Project Based Learning

Student Materials:

In order for students to be successful, they must have the proper materials.

For Math 8, the following is required:

- Binder with abundant lined loose-leaf paper (can put in a binder with another subject)
- Graph paper
- Pencils, Pens & Erasers
- Basic Compass Set & Ruler
- Basic calculator

If you need to contact me outside of school hours, please email me at dwaynemckay@prrd8.ca

Student Expectations:

Students will be expected to attend all classes and to be on time and prepared.

This means you are expected to be prepared by having textbooks, pencils, notebooks, etc., as well as doing any assigned homework. It is YOUR responsibility to make sure you have caught up with any work when you miss class. Homework and assignments will be assigned throughout the course and you are encouraged to complete and pass in all work on time. Failure to do so will result in incomplete assignment grades which will impact your mark.

FAQ'S

What is PowerSchool?

PowerSchool is a great resource to check frequently to see how you are progressing through course material. I encourage all students and parents to quickly familiarize themselves with the program as it is one of the best ways to stay informed and on top of all assignments and tests. It is important to note that the marks reported in PowerSchool are actively changing as new grades are entered or previous assignments are modified. The grade reported on the report card is the grade that will be used for final assessment at years' end.

How Can I Be Successful in Grade 8 Math?

1. Attend class regularly and pay close attention because math is a "constant discipline" course.
2. Make time to study math every day. Math is time intensive.
3. Use a time management schedule to ensure that time for study is allotted daily.
4. Read the course outline carefully and keep it, class notes and handouts in a 3-ring notebook.
5. Preview the assignment in the textbook before class and read over notes from the last class period.
6. Take your textbook, notebook, pencils, highlighter and calculator to class everyday.
7. Ask questions in class about homework, problems or material discussed in that day's class.

Review for Math Quizzes and Exams

1. "Constant review" is best!
2. Know what material will be included on the test.
3. Review notes and text to determine specific objectives that could be on the test.
4. Locate and work examples and problems from previous assignments related to each objective.
5. Work problems on the sample tests at the end of each chapter.
6. Attend any review sessions offered by the instructor. Pay careful attention to all review problems.
7. Avoid marathon study sessions! Start your review several days ahead of the test. Study for an hour and then take a break. Repeat daily until the test.

I'm Going on Holidays. What Should I Do?

If possible, please email or come for a chat a few weeks prior to you leaving and discuss how course material will be covered during your absence. In some cases, depending on the time of year this is not that difficult to accommodate in other instances it can be challenging.

How Do I Get a Redo?

Students are welcome to resubmit assignments, and re-do quizzes and tests in certain circumstances. I expect that students will make arrangements with me to discuss this. I want to stress misused class time, rushed, or incomplete work is not a reason for a redo. In the event a student lacks understanding or has misunderstood course material this will need to be corrected prior to submitting assignment or redoing quiz or test. I would ask the student to make arrangements to stay after school to get help before redoing the task.

Final Chapter Tests are not open for rewrites. In the event a student has identified that several days prior to the exam they are struggling with understanding course information I would encourage them to come see me for extra help. In these case's if the student doesn't feel ready I can provide an extension.

Student Signature: _____

Parent Signature: _____