

grade 7 Math

with Ms. Bacopoulos

Contact



room 18

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Please do not hesitate to contact me if you have any questions or queries.

Our goal this year is to ensure that all students acquire a level of mathematical capability before entering grade 8.

We are going to accomplish this through:

- problem solving
- understanding of concepts
- application of mathematical procedures
- and communication of required knowledge

The mathematics expectations are organized into five *strands*, which are the five major areas of knowledge and skills in the mathematics curriculum. All the knowledge and skills outlined in the expectations for the mathematics program are mandatory. The five strands are: Number Sense and Numeration, Measurement, Geometry and Spatial Sense, Patterning and Algebra and Data Management and Probability

Curriculum Content

Our year will be organized into twelve units, which will cover all five strands:

Unit One – Factors and Exponents

Unit Two – Ratio, Rate, and Percent

Unit Three – Data Management

Unit Four – Patterns and Relationships

Unit Five – Two-Dimensional Measurement

Unit Six – Addition and Subtraction of Integers

Unit Seven – Two-Dimensional Geometry

Unit Eight – Variables, Expressions, and Equations

Unit Nine – Fraction Operations

Unit Ten – Three-Dimensional Geometry

Unit Eleven – Surface Area and Volume

Unit Twelve - Probability

2019/2020

Course Syllabus

Need to know

This year, studying math means preparing for grade 8. The core program is designed to ensure that all students build a solid foundation in mathematics. To do this, students will need to understand a range of mathematical concepts, memorize necessary mathematical facts (e.g. multiplication tables), learn and practice standard mathematical procedures, and apply mathematics in complex real-world situations. High achievement is the goal for all students. When students learn mathematics, they do more than master basic skills; they acquire a powerful means of communication. Knowledge of mathematical language, structures, and operations will help students to reason, to justify their conclusions, and to express ideas clearly. Students also need to be able to use mathematics in connection with technology and in their daily lives, and eventually, in the workplace.

Grades

You will be evaluated and assessed using a number of sources.

These include:

- Unit Tests
- Math Mountain Quizzes
- Culminating Tasks
- Homework Completion/Notebook Organization
- Problem Solving Assignments
- Oral and/or Written Reports

Education is not the filling of a pail, but the lighting of a fire. - W. B. Yeats

Required Materials

It is imperative that students demonstrate a sincere commitment to learning and to team collaboration skills. You will also be expected to come to class prepared to learn. This means that you bring the following to each class:

- 4 blue math duotangs
- 12 subject dividers (the cheaper paper ones are best)
- Lined paper (lots, and lots, and lots...)
- Graph paper
- Pencils
- An eraser
- A scientific calculator
- A ruler
- Coloured pencils
- Your completed homework/assignments
- Your King Edward agenda
- And a positive attitude ☺



Late Work



My expectation is that all assignments and work be completed on time and to a student's best ability – be proud in your efforts!

Class time should be used effectively and questions should be asked at school, so that students have a good understanding before beginning or continuing work at home.

Printer and Internet issues are not an excuse for late work as students can access the school library to print work.



YES, WE DID SOMETHING IMPORTANT WHILE YOU WERE ABSENT!

It is the student's responsibility to find out what was missed in his/her absence. Any tests/quizzes missed will be written on the first day the student returns to school. You should contact me via email to find out what is missed. Relying on a friend is not always a good idea (sometimes friends forget to tell you everything).

Classroom Expectations

I know that math can be challenging, but I'll try my best to make it make sense. I'm available most days at lunch or after school to help you. I will assign homework nearly every day, but I'll also give you time to work on it in class. Those that use their time effectively, may in fact, have no homework. You are expected to:

- Come prepared
- Try your best
- Complete your homework
- Ask for help when you need it
- Retake MMQs below 70%
- Demonstrate academic honesty



Cheating

- The teacher will notify the administration and contact parents if cheating/plagiarism is suspected
- The student will be given a zero for that particular test or assignment

I, _____, have read and understand the rules and expectations for class. I acknowledge that it is my responsibility to contact my teacher if I have any questions or concerns. I know that this syllabus, assignments, calendars, and resources are available to me on the [website hypothesize.weebly.com](http://www.hypothesize.weebly.com) and that this syllabus must be kept in my math duotang at all times. I know that that printer/computer/flash drive issues are not an excuse for late or incomplete work.



Student _____

Date _____