

Math 9

Mr. McInnis

Welcome to Math 9!! In this course we will learn new concepts in mathematics, as well as review and strengthen some of the concepts you learned in previous years. Math takes a lot of practice, so it is very important that every student comes to class prepared and ready to work. Some of the ways to increase the likelihood of success are to listen and pay attention in class, ask questions, and attempt all work to the best of your ability.

If your child is having difficulty, I strongly recommend that they come in for extra help. Extra help will be provided by request *any day* after school, or at lunch.

Some of the general curriculum outcomes we will be working to achieve this year are:

NUMBER (N)

- Students will be expected to develop number sense.

PATTERNS AND RELATIONS (PR)

Patterns

- Students will be expected to use patterns to describe the world and solve problems.

Variables and Equations

- Students will be expected to represent algebraic expressions in multiple ways.

MEASUREMENT (M)

- Students will be expected to use direct and indirect measure to solve problems.

GEOMETRY (G)

3-D Objects and 2-D Shapes

- Students will be expected to describe the characteristics of 3-D objects and 2-D shapes and analyze the relationships among them.

Transformations

- Students will be expected to describe and analyze position and motion of objects and shapes.

STATISTICS AND PROBABILITY (SP)

Data Analysis

- Students will be expected to collect, display, and analyze data to solve problems.

Chance and Uncertainty

- Students will be expected to use experimental or theoretical probabilities to represent and solve problems involving uncertainty.

The following is a rough outline of the topics that will be covered this year, each unit will take approximately one month:

1. *Powers and Exponent Laws*
2. *Square Roots and Surface Area*
3. *Rational Numbers*
4. *Linear Relations*
5. *Polynomials*
6. *Linear Equations and Inequalities*
7. *Similarity and Transformations*
8. *Circle Geometry*
9. *Probability and Statistics*

Assessment and Evaluation

Students' progress will be tracked in a number of different formats throughout the year, these include:

- observations and conversations with students
- in-class and homework
- tests and quizzes
- assignments
- projects

At times, these will be used to evaluate a student's knowledge about a particular topic and assigned a mark. Other times, they will be used to assess a student's progress and will be more observational or anecdotal.

You and your child have been invited to join my Google classroom. Your child will join the class using the classroom code and then you will receive an email invitation from me to join as well. It is important that parents not join using their child's code otherwise it looks like they are a student in the class.

Math 903 - zeqwdj6

Math 904 - 6ucaqgl

If you have any questions, please do not hesitate to contact me at the school. Your child will have a much more successful year if we work as a team. I have found that teacher and parent/guardian communication can help students a great deal. My email is listed below, please contact me any time with any questions you may have. Thank you and I look forward to a great year with your child!

Email: jmcinnis@hrce.ca