

## **Math 10F Outline**

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### **Course Description**

This course is designed to take place over the entire year. Students will earn a credit in grade 9 mathematics. The beginning of the course will review basic math operations centering on operations between fractions and decimals. The remainder of the course will explore math outcomes that students are required to learn to continue their studies in grade 10. This course focuses on developing basic math skills and problem solving so that students can be successful in their future courses.

### **General Outcomes**

1. Develop Number sense
2. Use patterns to describe the world and solve problems
3. Represent algebraic expressions in multiple ways
4. Use direct or indirect measurement to solve problems
5. Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.
6. Describe and analyze position and motion of objects and shapes.
7. Collect, display, and analyze data to solve problems.
8. Use experimental or theoretical probabilities to represent and solve problems involving uncertainty.

### **Units**

1. Number Sense
2. Powers and Exponents
3. Polynomials
4. Linear Relations
5. Circle Geometry
6. Surface Area and Symmetry
7. Probability

### **Course Materials**

- Math Links 9
- Three ring binder
- Notebook (for journal)
- Pen & pencil, ruler
- Scientific Calculator

Term 70%	Final Exam 30%
<ul style="list-style-type: none"><li>• Tests (two parts, calculator and non calculator)</li><li>• Quizzes</li><li>• Assignments</li><li>• Journal</li><li>• Interview/group discussions</li><li>• Mid Term</li></ul>	<ul style="list-style-type: none"><li>• The final exam is given by the school division and it has two parts, calculator and non calculator)</li></ul>

## **Class Policies**

### **Classroom Guidelines**

- Mutual respect
- Come prepared with books and a writing utensil
- Be on time
- Food and drink are allowed but students must clean up after themselves. Failure to keep the class clean will result in a loss of food privileges.
- Washroom policies will be discussed in class.
- School attendance, punctuality, and plagiarism rules in the Bear Book apply to this course.

### **Attendance:**

Attendance is an extremely important part of this course. IF a student is going to be away, they must make every effort to inform the teacher in advance. With advance notice, proper arrangements can be made.

### **Missed Class/Missed Test**

- Students are responsible for any and all work missed while away from class. Students are responsible for organizing a make up time to make up their missed assignments/tests.

### **Homework**

- Students will be given class time to work on problems but student ***MUST*** complete all of their work to be successful. For some, this will require roughly 20 minutes of homework a day.

### **Electronic Devices**

- Students are allowed to have their personal electronic devices on them. Students are to use these devices to help them research material and access online material. **STUDENTS CAN NOT USE THEIR PERSONAL DEVICES AS CALCULATORS ON ASSESSMENTS.** If a student is playing games or accessing social media, I reserve the right to confiscate the device. Multiple offenses will increase the length of time I hold on to the confiscated device.
  - Please go to the web site <http://mrbrick.weebly.com> for documents used in class and extra resources.
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