



MATH 7 COURSE OUTLINE
P3 Google Classroom Code: top65ep
2019/2020

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The content of the Grade 7 Mathematics course originates from the Alberta program of studies. The curriculum is based on the key strands of Number Concepts, Patterns & Relations, Shape & Space, and Statistics & Probability.

By the end of the Math 7 course, students will be able to:

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

Course Outline

The yearly outline for this course will be broken into the units below. The time frame in which the units are presented is subject to change throughout the year.

Unit Outline

| | |
|--|---------------|
| Unit 1: Number; Whole, Decimal, Fraction Percent(Ch. 2, 4, 6, 7 & 9) | Sept. - Nov. |
| Unit 2: Shape & Space (Ch. 1, 3 & 8) | Nov. - Jan. |
| Unit 3: Statistics & Probability (Ch. 5 & 12) | Feb. - Mar. |
| Unit 4: Patterns & Relations (Ch. 10 & 11) | April. - June |
| Review and Final Exam | June |

Textbook Resource: Math Links 7

Instructional Methodologies:

A variety of instructional methodologies will be used in this class. Whenever possible, concepts will be introduced using manipulatives and be developed concretely, pictorially and symbolically.

Classroom Materials:

- Binder with lined & graph paper, compass, ruler, several pencils and erasers, headphones for Chromebooks, (Scribbler for notes is optional).
- Approved scientific calculator. (Students must not use a graphing calculator)
- School issued Chromebooks

Assessment Guide

The guide below breaks down the summative assessment (final report card grade) for this course. The grade is based off of the learner's achievement of the curriculum outcomes for the grade 7 Math course.

Calculation of Marks:

The mark for the course shall be broken down as follows:

| | |
|--|-----|
| In-Class assignments, projects & assessments (Including quizzes) | 35% |
| Tests and Exams..... | 45% |
| Final Exam..... | 20% |

| Description |
|--|
| Tests are designed to measure achievement of outcomes at the end of each unit. |
| Quizzes are designed to measure achievement of outcomes throughout each unit. |
| Exams are designed to measure achievement of outcomes in multiple units throughout the year |
| Assignments will assess achievement of curriculum outcomes throughout each unit. |
| The Final exam at the end of the year will cover all the outcomes taught from the entire year. |

Assessment for Learning Policy:

Many in class worksheets and practice problems will be used to assess student's progress in class. These are low stakes, regular assessments that are intended to provide constructive feedback. Many of these formative assessments may be marked in class, and some may receive written constructive comments for improvement from the teacher. It is expected that students complete all of these assignments.

Assessment of Learning Policy:

Major assignments, quizzes, labs and exams are all types of assessments that will be used in calculating a final grade for each student. All grades in the course are cumulative, assessments in each category below will be averaged throughout the year. A list of assessment outcomes for each unit is present near the end of this document.

Grade Determination:

Term grade determination: Grade will be based upon evaluations conducted throughout the course. This portion of the grade will reflect the student's most consistent level of achievement throughout the course.

Final grade determination: Grade will be based on the accumulation of term grade evidence and a final examination administered at the end of the course (where applicable; this exam will be based on an evaluation of all units of the course). This grade will reflect the student's most consistent level of achievement throughout the course.

Opportunities to demonstrate learning

When the teacher's professional judgment indicates the student is in a position to demonstrate learning on a summative assessment with greater success than the initial attempt, such an alternative or additional summative assessment will be provided at a time agreed upon by the student and the teacher.

Late Policy: Students must be on time for class. They are expected to be in class at the bell. Students that miss 25% of the class will be marked absent. (10 min for 40 min class, 20 min for 80 min class)

Attendance Policy: Students who are consistently late will receive contact home and possible meetings with administration, to ensure their success.

As per school policy, contact home will be made after a student's 5th and 10th absences. After the 11th absence, the student will be referred to administration.

Classroom Expectations:

Be Respectful and Responsible.

Examples include...

1. *Be on time and prepared for class every day.*
2. *Do your work: Show your work. Correct your work.*
3. *Seek help in a timely manner*
4. *Display mature and considerate behavior*

Late Work

- In-class assignments are due at the end of the assigned class. Projects and homework assignments are due at the beginning of the class on the assigned date.
- Late work will be accepted until the given assignment or project is marked and returned to the class. Once work is marked and returned, a new assignment or project will be issued to the student for assessment.
- *If you are absent and unable to hand in the assignments, you will be expected to hand it in immediately upon your return.*

Extra Help

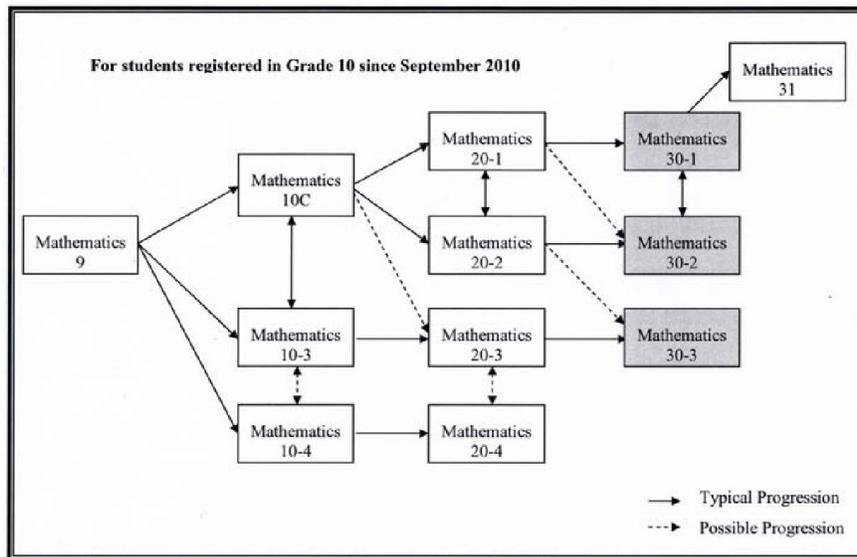
There will be extra help sessions throughout the year. This schedule will be developed by the class and the teacher. One-on-one extra help can be available on a daily basis in the morning, and at lunch; all you have to do is check with me for a good time.

Missed Time

If you are absent for a class, it is your responsibility to contact a member of your class prior to your return and make arrangements to get notes. Any handouts will be provided, however, it is your responsibility to request them.

Future Considerations:

The following chart shows the sequencing for senior high mathematics.



[I have read and understand the above course outline. \(Please follow the link to the google form to provide contact information for your parent/guardian.\)](#)