GRIMSHAW PUBLIC SCHOOL
"Inspiring Our Students Today For Tomorrow's Future"

Math 10C Course Outline
2024-2025
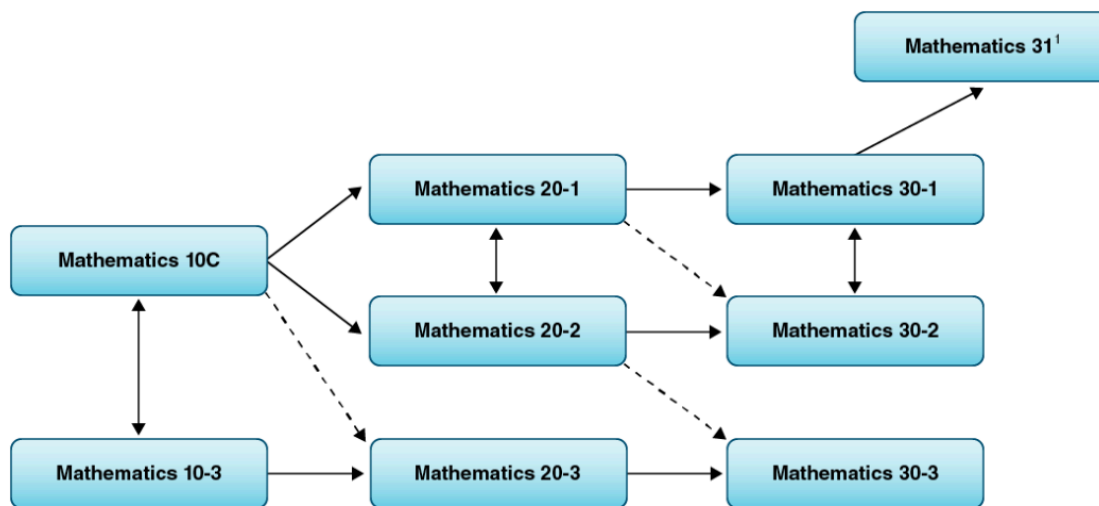### Teacher: Ms. Sinclair

I. Key Message/Expectations

Welcome! I am pleased to be your teacher and hope you enjoy learning about math as the year progresses. I am here to help you but it is my expectation that you come to class prepared and with a positive attitude and intention to learn.

Attendance is one of the most important factors for academic success! It is expected that you come to class every day on time with the materials you require for class. If an absence is pre-planned please inform your teacher as early as possible so that materials can be provided. If unplanned, please inform the teacher either by email (sinclairm@prsd.ab.ca) or when back in school. Students are responsible for collecting any missed material and checking Google Classroom when absent.

II. Course Overview

The goal of the course is to provide prerequisite attitudes, knowledge, skills and understandings for success in future math courses then eventually for specific post-secondary programs or direct entry into the workforce. The course will provide students with mathematical understandings and critical-thinking skills. The focus of student learning will be on developing a conceptual and procedural understanding of mathematics.

Math 10C (Common) is designed for students who are interested in careers that require a post-secondary program. This course will provide students with both mathematical reasoning and critical-thinking skills. Topics include measurement, trigonometry, algebra, relations and functions. Students who pass Math 10C have the option to take the 20-1, 20-2, or 20-3 sequence.

III. Scope and Sequence

Course Work: Unit Exams 80%, Quizzes and Assignments 20%

Final Evaluation: Course Work 70%, Final Exam 30%

*Please note this is an approximate timeline. Unit order and timeframe **may change** as needed*

Topic	Approximate Timeline	Course Weighting
Exponents and Radicals	10 classes	10%
Polynomials and Factoring	10 classes	13%
Relations and Functions	9 classes	9%
Linear Equations	10 classes	12%
Systems of Linear Equations	11 classes	10%
Measurement and 3D Shapes	11 classes	8%
Trigonometry	10 classes	8%
Final Exam (date TBA)		30%

IV. Assessment

Students will be assessed using both formative and summative assessments. Assessment is based around their most recent demonstration of the course material. Opportunities for rewrites will be available. Summative Assessment is assessment administered and information collected that is used by teachers to determine a letter, number or achievement level reported at the end of a term. It is a summary statement of student performance based on a variety of assessments.

Students and parents are encouraged to use the school website and PowerSchool to keep informed of marks, attendance, etc. This site will be updated regularly to give an accurate representation of each student's achievement to date.

V. Materials

Students are responsible for bringing their materials to class each day:

- Foundations of Mathematics and Pre-calculus 10 Workbook, Pacific Educational Press (1 copy supplied by GPS)
- Pencils, highlighters, binders, paper, etc.
- Graphing calculator: TI-83/84/84 Plus/84 Plus CE/Nspire CX II graphing calculator (calculator for use during diploma exams in Grade 12 must be on the list approved by Alberta Learning).