



ALTERNATIVE EDUCATION

Prerequisite	<ul style="list-style-type: none"> A course mark of 50% or greater in Math 10-4
Required Materials and Resources	<ul style="list-style-type: none"> Formula Sheet Scientific Calculator

Course Overview

Math 20-4 consists of 6 units of study, as outlined below. The student's **school-based mark** is weighted as follows:

Unit & Topics of Study		Weighting
Unit A: Number (Number Concepts and Number Operations)	<ul style="list-style-type: none"> Solve everyday home, community, and workplace problems by applying arithmetic operations to whole numbers, decimals, common fractions, percent, and integers. 	10%
Unit B: Patterns and Relations (Patterns and Relationships)	<ul style="list-style-type: none"> Express and use patterns, variables, and expressions, including those used in business and industry, with graphs to solve problems at home, in the community and in the workplace. 	11%
Unit C: Patterns and Relations (Variables and Equations)	<ul style="list-style-type: none"> Use variables and equations to express, summarize and apply relationships as problem-solving tools in a restricted range of contexts. 	11%
Unit D: Shape and Space (Measurement)	<ul style="list-style-type: none"> Estimate, measure and compare using whole numbers, decimals, fractions, and metric (SI) and Imperial units of measure to solve everyday problems. 	16%
Unit E: Shape and Space (3-D Objects and 2-D Shapes and Transformations)	<ul style="list-style-type: none"> Use visualization and symmetry to extend their awareness of objects and shapes, create and examine patterns and designs using congruence, symmetry, translation, rotation, and reflection. 	15%
Unit F: Statistics and Probability (Collecting and Analyzing Information)	<ul style="list-style-type: none"> Develop and implement a plan for the collection, display and examination of data and information, using technology and other strategies as required. 	12%
Final Assessment		25%
*Total		100%

Assessment

* The student's grade will be calculated based on the following (within each unit of study):

Assignments/Modules	20%
Quizzes, Unit Exams, Projects	80%

- Alternative Education does not publish report cards.
- Parents and students are encouraged to keep up to date on PowerSchool and contact their teacher if there are any issues.

**Important Note
Regarding
Assessment**

A wide range of assessment information is used in the development of a student's final grade. In Edmonton Catholic Schools, individualized assessments provide specific information regarding student progress and overall performance in class. Assessment may vary from student to student, differentiating for various student needs. It should also be noted that not all assignments are used to determine the final grade, and that scale factors may have been used to determine the weight of individual assignments.