



ALTERNATIVE EDUCATION

Prerequisite	None
Required Materials & Resources	<ul style="list-style-type: none"> • Formula Sheet • Scientific Calculator

Course Overview

Math 10-4 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"> • develop and demonstrate a number sense for whole numbers, common fractions, decimals, percent and integers and apply arithmetic operations to solve everyday problems. 	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 as such (within each unit of study):	
	Assignment/Modules	20%
	Quizzes, Unit Exams, Labs, Projects	80%
	<ul style="list-style-type: none"> • 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.
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