



ALTERNATIVE EDUCATION

Prerequisite	None	
Required Materials & Resources	• Learning guides and assessment booklets • Formula Sheet • Alberta Education Approved 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:		
Units	Topics of Study	Weighting
Unit A: Number (Number Concepts and Number Operations)	• develop and demonstrate a number sense for whole numbers, common fractions, decimals, percent, and integers and apply arithmetic operations to solve everyday problems.	17%
Unit B: Patterns and Relations (Patterns and Relationships)	• 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.	17%
Unit C: Patterns and Relations (Variables and Equations)	• use variables and equations to express, summarize and apply relationships as problem-solving tools in a restricted range of contexts.	16%
Unit D: Shape and Space (Measurement)	• estimate, measure and compare using whole numbers, decimals, fractions, and metric (SI) and Imperial units of measure to solve everyday problems.	17%
Unit E: Shape and Space (3-D Objects and 2-D Shapes and Transformations)	• 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.	17%
Unit F: Statistics and Probability (Collecting and Analyzing Information)	• develop and implement a plan for the collection, display and examination of data and information, using technology and other strategies as required.	16%
	*Total	100%

Assessment	*The student's grade will be calculated as such: <table border="1" data-bbox="354 94 1334 178"> <tr> <td>Assignment/Modules</td><td>50%</td></tr> <tr> <td>Quizzes, Unit Exams, Labs, Projects</td><td>50%</td></tr> </table> • 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.	Assignment/Modules	50%	Quizzes, Unit Exams, Labs, Projects	50%
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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.				