



ALTERNATIVE EDUCATION

COURSE OUTLINE 2026-2027

Mathematics 20-3

MAT2793

5 Credit Course

Prerequisite	A course mark of 50% or higher in Mathematics 10-3					
Required Materials & Resources	- Textbook: None - Formula Sheet - Scientific calculator					
Course Overview Math 20-3 consists of 6 units of study, as outlined below. The school-based mark is weighted as follows:						
Unit & Topics of Study		Weighting				
Unit 1: Budgeting and Banking. Analyze puzzles and games that involve numerical reasoning, using problem-solving strategies. Solve problems that involve personal budgets. Demonstrate an understanding of compound interest. Demonstrate an understanding of financial institution services used to access and manage finances. Demonstrate an understanding of credit options, including credit cards & loans.		18%				
Unit 2: Interest Solve problems that involve creating and interpreting graphs, including bar graphs, Histograms, line graphs, circle graphs.		16%				
Unit 3: Surface Area Solve problems that involve SI and imperial units in surface area measurements and verify the solutions. Solve problems that involve SI and imperial units in volume and capacity measurements.		17%				
Unit 4: Volume and Capacity- Solve problems that require the manipulation and application of formulas related to volume and capacity		17%				
Unit 5: Trigonometry and Slope Solve problems that require the manipulation and application of formulas related to: slope and rate of change; Demonstrate an understanding of slope: as rise over run, as rate of change, by solving problems; Solve problems that involve two and three right triangles.		17%				
Unit 6: Representing 3D Objects Solve problems that involve creating and interpreting graphs, including bar, graphs, histograms, line graphs, circle graphs.		15%				
		*Total				
		100%				
Assessment	*The student’s grade will be calculated based on the following (within each unit of study): <table><tr><td>Assignments/Modules</td><td>20%</td></tr><tr><td>Quizzes, unit exams, projects</td><td>80%</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.		Assignments/Modules	20%	Quizzes, unit exams, projects	80%
Assignments/Modules	20%					
Quizzes, unit exams, projects	80%					

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.
--	---