William Aberhart Grade 10 Mathematics Courses

	Math 10-3 (E) **Workplace and Apprenticeship** **5 credits**	**Math 10-3/Prep 10C (E)** **Preparation for Math 10C** **5 credits**	**Math 10C (E, F, S)** **Combined** **5 credits**	**Math 10C AP (E, F)** **Advanced Placement** **5 credits**
Who?	- Did not meet grade 9 level expectations in Mathematics - And/or are interested in Workplace and Apprenticeship Mathematics	- Demonstrated Basic Achievement - Have been challenged by Algebra, Exponents, Fractions and Problem Solving in Math 9. - Intend to take Math 10C	- Demonstrated Basic, Good or Excellent Achievement in Math 9	- Demonstrated Excellent Achievement in Math 9 - Have a passion for Math - Are motivated - Wish to pursue mathematics at a level beyond high school
Topics	1. **Measurement**: linear measurement, area and volume, mass, capacity and temperature, 2-D shapes and 3-D objects (regular, composite and irregular shapes) 2. **Geometry**: spatial reasoning, Pythagorean theorem, similarity of polygons, primary trigonometric ratios, parallel lines and transversal, properties of angles 3. **Number**: unit pricing, currency exchange, proportional reasoning, earning an income 4. **Algebra**: manipulating and applying formulas	This course covers all of the Mathematics 10-3 content. It also provides the students a review of many important concepts covered in Math 9 while helping them to manage the more intense pace of semestered high school courses. This course is offered first semester. Students are expected to register in Math 10C second semester.	1. **Measurement**: linear measurement, surface area and volume, proportional reasoning, primary trigonometric ratios 2. **Algebra and Number**: prime factors and applications, irrational numbers, real numbers, rational exponents, polynomials, factoring 3. **Relations and Functions**: relations and functions, linear relations, function notation, systems of linear equations, coordinate geometry, equation of a line, slope	The regular Math 10C topics are covered on an accelerated basis and then enriched to increase the students' depth of understanding. At the end of the semester, despite having learned additional concepts, students' final grade will be adjusted in order to reflect the grade they would have received in a regular Math 10C course.
Notes	Successful students will be recommended to register in Math 20-3 in grade 11.	Successful students earn credits in Math 10-3 and are expected to complete Math 10C second semester of grade 10.	Successful students will have the option of taking: Foundations of Math (Math 20-2) or Pre-Calculus (Math 20-1) in grade 11.	Spanish Bilingual Students must register in Math 10CSpanish. In grade 11, they may enrol in Math 20-1AP (with teacher recommendation).

*E = English, F = French, S = Spanish

Mathematics Course Sequence