Grade 10 Integrated Mathematics II Year Plan 2018-19

Aug. 28, 2018 - Nov 1, 2018 (43 Days)	Nov. 4, 2018 - Jan. 17 2019 (41 Days)	Jan 20, '19 - March 21, '19 (41 Days)	Mar. 24, '19 - Jun. 3, '19 (42 Days)
Unit 1: Characteristics of a Function ● Module 1 Analyzing Functions (8 days) ● ● Module 2 Absolute Value Functions, Equations, and Inequalities (4 days) **Unit 2: Polynomial Operation** ● Module 3 : Rational Exponents and Radicals (4 days) ● ● Module 4 : Adding and Subtracting Polynomials (6 days) ● ● Module 5 : Multiplying Polynomials (8 days) **Unit 3: Quadratic Functions** ● Module 6 : Graphing Quadratic Functions (6 days) ● ● Module 7 : Connecting Intercepts, Zeros, and Factors (6 days)	**Unit 4: Quadratic Equations and Models** ● Module 8 : Using Factors to Solve Quadratic Equations (6 days) ● ● Module 9 : Using Square Roots to Solve Quadratic Equations (10 days) ● ● Module 10 : Linear, Exponential, and Quadratic Models (10 days) **Unit 5: Extending Quadratic Equations** ● Module 11 : Quadratic Equations and Complex Numbers (6 days) ● ● Module 12 : Quadratic Relations and Systems of Equations (6 days)	**Unit 5: Extending Quadratic Equations CONTINUED** ● Module 13 : Functions and Inverses (8 days) **Unit 6: Geometric Proof** ● Module 14 : Proofs with Lines and Angles (6 days) ● Module 15 : Proofs with Triangles and Quadrilaterals (9 days) **Unit 7: Similarity and Right Triangles** ● Module 16 : Similarity and Transformations (6 days) ● ● Module 17 : Using Similar Triangles (6 days)	**Unit 7: Similarity and Right Triangles CONTINUED** ● Module 18 : Trigonometry with Right Triangles (10 days) **Unit 8: Properties of a Circle** ● Module 19 : Angles and Segments in Circles (6 days) ● Module 20 : Arc Length and Sector Area (6 days) **Unit 9: Volume** ● Module 21: Volume Formulas (7 days) **Unit 10: Understanding Probability** ● Module 22 : Introduction to Probability (6 days) ● Module 23 : Conditional Probability and Independence of Events (4 days) ● Module 24 : Probability and Decision Making (4 days)
	Global Citizenship Explore and compare areas size inhabited by different countries and underlying reasons e.g. water availability, work, food etc,		**Global Citizenship -** Measure the volumes of water learners use for different daily activities and compare this with domestic water use in other countries. See Oxfam's Water Week, Water Diary activity.