Grade 12 Math Year Plan 2018-2019

August 28, 2018--November 1, 2018 (43 Days)	November 4, 2018--January 17, 2019 (41 Days)	January 20, 2019 – March 21, 2019 (41 Days)	March 24, 2019--June 3, 2019 (42 Days)
Unit 3 Polynomial Functions, Expressions, and Equations (Integrated 3) ● Module 5: Polynomial Functions (8 days) ● Module 6: Polynomials (8 days) ● Module 7: Polynomial Equations (4 days) **Unit 4: Quadratic Equations and Models** (Integrated 2) ● 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 4: Rational Functions, Expressions, and Equations** (Integrated 3) ● Module 8: Rational Functions. (4 days) ● Module 9: Rational Expressions and Equations (6 days). ● Module 10: Radical Functions (6 days) **Unit 5: Radical Functions, Expressions, and Equations** (Integrated 3) ● Module 11: Radical Expressions and Equations (6 days). ● Module 12: Sequence and Series (5 days) **Unit 6: Exponential and Logarithmic Functions** (Integrated 3) ● Module 13: Exponential Functions (8 days). ● Module 14: Modeling with Exponential and Other Functions (4 days)	**Unit 6: Exponential and Logarithmic Functions CONTINUED** (Integrated 3) ● Module 15: Logarithmic Functions (4 days). ● Module 16: Logarithmic Properties and Exponential Equations (6 days). **Unit 7: Trigonometric Functions** (Integrated 3) ● Module 19: Graphing Trigonometric Functions (10 days). **Unit 8: Statistics and Decision Making** ● Module 20: Gathering and Displaying Data (3 days) ● Module 21: Data Distributions (5 days) ● Module 22: Making Inferences from Data (5 days) ● Module 23: Probability and Decision Making (5 days).	**Unit 9: Properties of Circles** ● Module 24: Angles and Segments in Circles (5 days) ● Module 25: Arc Length and Sector Area (4 days). ● Module 26: Equations of Circles and Parabola (5 days). **Unit 10: Understanding Probability** (Integrated Math 1) ● 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) **Unit 8: Statistics and Decision Making** (Integrated Math 2) ● Module 20: Gathering and Displaying Data (3 days) ● Module 21: Data Distributions (5 days) ● Module 22: Making Inferences from Data (5 days) ● Module 23: Probability and Decision Making (5 days).
Global Citizenship – • Examine the change over time in statistics such as life expectancy and GDP in different countries and explore questions such as: Have literacy rates improved or worsened? Has the gap between rich and poor widened or closed?	**Global Citizenship –** Compare and evaluate different ways of presenting global data such as world trade and Fairtrade prices for cocoa over a period of time using tables, bar charts, infographics, line graphs and pie charts.	**Global Citizenship –** Ask learners to create their own graphs and charts to represent real-life data and compare the efficacy of different representations.	**Global Citizenship –Population size**