

Day # (Date / Day)	Topics for the day	Evaluation
1 (JUNE 29 / Monday)	<u>UNIT 1 - Functions</u> • Functions vs Relations • Parent Functions	
2 (JUNE 30 / Tuesday)	• Domain/Range • Inverse Functions	
CANADA DAY 		
3 (JULY 2 / Thursday)	• Transformations <u>UNIT 2 - Rational Expressions</u> • Factoring (different techniques)	
4 (JULY 3 / Friday)	• Rational Expressions (adding, subtracting, multiplying and dividing) • Word Problems on Rational Expressions • Simplifying Radicals • <u>Review Sheet on topics of days 1, 2 & 3</u>	QUIZ on days 1, 2, 3 topics (Function vs relation, domain & range, function notation, transformations)

5 (JULY 6 / Monday)	• Review of days 1, 2, 3, 4 <u>Unit 3 - Quadratic Functions</u> • Standard Form of quadratic function • Discriminant & applications	Test on topics of days 1, 2, 3, 4 (Unit 1 & 2 Combined) [domain, range, function vs relation, inverse functions, parent functions, transformations, factoring, rational expressions and radicals]
6 (JULY 7 / Tuesday)	• Factor form, drawing graphs using factor form • Introducing vertex form • Completing Squares to find max/min • Word Problems	
7 (JULY 8 / Wednesday)	• Applications of Vertex Form • Families of parabolas • Solving for Linear-Quadratic System <u>Review Sheet on days, 5, 6, 7</u>	<u>Quiz on Days 5 & 6 Topics</u>
8 (JULY 9 / Thursday)	AFTER THE TEST: <u>Unit 4 - Exponential Functions</u> • Laws of exponents • Simplifying exponents including rational exponents	TEST on topics of days 5, 6 & 7 (Unit 3)
9 (JULY 10 / Friday)	• Solving for exponential equations • Graphs of exponential functions/Transformations • Determine the equation of exponential function from the given graph	

10 (JULY 13 / Monday)	• Applications of exponential functions <u>Review Sheet</u>	QUIZ (days 8 & 9 topics)
11 (JULY 14 / Tuesday)	AFTER THE TEST: <u>Unit 5 - Trig Ratios</u> • Use primary trig ratios to solve for right triangles • sine and cosine law • Sheet on Ambiguous case will be given for homework	Test on topics of days 8, 9 & 10 (Unit 4)
12 (JULY 15 / Wednesday)	• Problems in 3-D • Quadrant Trigonometry • Special triangles and exact values • Review Sheet	Quiz (right triangles and sine & cosine laws)
13 (JULY 16 / Thursday)	AFTER THE TEST: <u>Unit 6 - Trig Functions</u> • Graphs of sine, cosine & tan • Transformations of sine and cosine graphs	Test on Days 11 and 12 topics (Unit 5)
14 (JULY 17 / Friday)	• Solving all kinds of Trig Equations • Equations from the Graphs • Applications of transformations of sinusoidal functions	

15 (JULY 20 / Monday)	• Trigonometric Identities • Review Sheet	Quiz (Trig Graphs and Trig Equations)
16 (JULY 21 Tuesday)	AFTER THE TEST: <u>Unit 7 - Discrete Functions</u> • Arithmetic and Geometric Sequences and Series and their applications • Pascal's Triangle • Review for Test Tomorrow	Test on days 13, 14 and 15 topics (Unit 6) (DURING BLOCK A)
17 (JULY 22 / Wednesday)		Review for test (DURING BLOCK A) Test on day 16 Topics (Unit 7) (DURING BLOCK B) Work on Summative Review (DURING BLOCK C)
18 (JULY 23 / Thursday)	• Work on the summative • Summative • Exam Review	SUMMATIVE (DURING BLOCK B) FINAL EXAM REVIEW (DURING BLOCK C)
19 (JULY 24 / Friday)		Exam Review followed by <u>FINAL EXAM (11 - 1)</u>
20 (JULY 27 / Monday)		EXAM Return DAY (Last Day of Summer School)