Math 12 Foundations Videos

LG 1-2

Section 1.1: Simple Interest

Sections 1.2-1.4: Compound Interest

Sections 1.5-1.6: Investments/Loans

LG 8

Section 3.1: Set Theory Vocabulary

Section 3.2: Venn Diagrams

Section 3.3: Intersection and Union of Sets

Section 3.4: Applications of Set Theory

Section 3.5: Conditional Statements and Their Converse

Section 3.6: Inverse and Contrapositive

LG 9-10

Section 4.1: Counting Principles

Sections 4.2-4.4: Permutations and Factorial Notation

Sections 4.5-4.7: Combinations

LG 11 (Probability)

Introduction to Probability and Sample Space

Probability of Mutually Exclusive and Complementary Events

Independent and Dependent Events

Bayes Law

Using Combinatorics to Solve Probabilities and the Binomial Theorem

LG 14

Section 6.1: Exploring the Graphs of Polynomial Functions

Section 6.2: Characteristics of the equations of Polynomial Functions.

Section 6.3: Modelling Data with a Line of Best Fit

Section 6.4: Modelling Data with a Curve of Best Fit

LG 15-16

Section 7.1: Exploring the Characteristics of Exponential Functions.

Section 7.2: Relating the Characteristics of an Exponential Function to its Equation.

Section 7.3: Modelling Data Using Exponential Functions

Section 7.4: Characteristics of Logarithmic Functions with Base 10 and Base e.

Section 7.5: Modelling Data Using Logarithmic Functions

LG 17-18

Section 8.1: Understanding Angles

Section 8.2: Exploring Graphs of Periodic Functions

Section 8.3 & 8.4: The Graphs and Equations of Sinusoidal Functions

Section 8.5: Modelling Data with Sinusoidal Functions.