

Unit 0 – Warm-Up/Review

- 0.1 Integers: + & -
- 0.2 Integers: $\times$ & $\div$
- 0.3 Integers: Bedmas

Unit 1 – Pythagorean Relationship

- 1.1 Squares & Square Roots
- 1.2 Exploring the Pythagorean Relationship
- 1.3A Using the Pythagorean Relationship
- 1.3B Applying the Pythagorean Relationship

Unit 2 – Surface Area

- 2.0 Substituting Into Formulas
- 2.1 Views of 3-D Objects
- 2.2 Nets of 3-D Objects
- 2.3A Area
- 2.3B Surface Area of a Prism
- 2.4 Surface Area of a Cylinder

Unit 3 – Volume

- 3.1 Cubes & Cube Roots
- 3.2A Volume Intro
- 3.2B Volume of a Prism

Unit 4 – Adding & Subtracting Fractions

- 4.0A Review: Rational Numbers (Fractions)
- 4.1 Common Denominators
- 4.2 Add & Subtract Fractions with Unlike Denominators
- 4.3 Add & Subtract Mixed Numbers

Unit 5 – Multiplying & Dividing Fractions

- 5.1 Multiplying a Fraction and a Whole Number
- 5.2 Multiplying Fractions
- 5.3 Multiplying Mixed Numbers
- 5.4 Dividing Fractions
- 5.5 Order of Operations with Fractions

Unit 6 – Linear Relations & Equations

- 6.0 Review: Plotting Coordinates
- 6.1 Representing Patterns
- 6.2 Graphing Linear Relations
- 6.3A Review: Solving One-Step Equations
- 6.3B Two-Step Equation Solving: $ax + b = c$ or $\frac{x}{a} + b = c$
- 6.3C Two-Step Equation Problems
- 6.4 Modelling & Solving Two-Step Equations: $a(x + b) = c$

Unit 7 – Ratios, Rates & Proportional Reasoning

- 7.1 Ratios
- 7.2 Rates
- 7.3 Using Proportional Reasoning

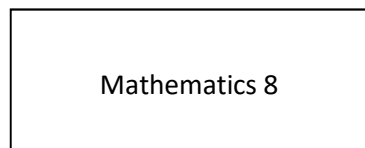
Unit 8 – Understanding Percent

- 8.0 Review: Percent
- 8.1 Understanding Large & Small Percents
- 8.2 Fractions, Decimals & Percents
- 8.3 Combining Percents
- 8.4 Percent & Financial Literacy

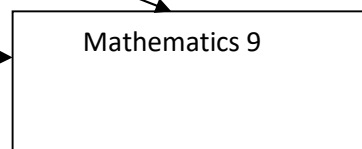
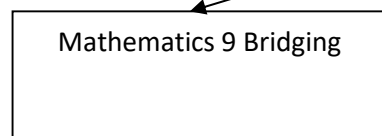
Unit 9 – Statistics & Probability (*Time Permitting)

- 9.1 Mean, Median, and Mode
- 9.2 Choosing Measures of Central Tendency
- 9.3 Determining Probabilities Using Tree Diagrams & Tables
- 9.4 Determining Probabilities Using Fractions

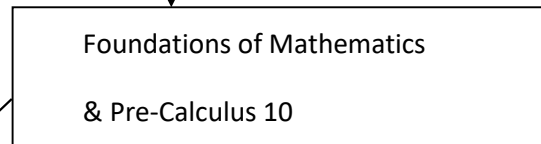
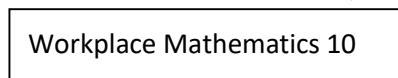
Grade 8



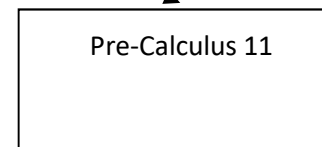
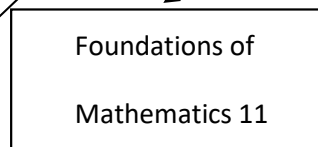
Grade 9



Grade 10



Grade 11



Grade 12

