PEAK MATH | SYLLABUS

SUMMIT EDUCATIONAL GROUP

GRADE 5 MATH – PART 1

Session 1: 3D Solids
- Geometry Review
  Area of Rectangle, Area of Triangle
- 3D Terms & Definitions

Session 2: Nets & Surface Area
- Geometry Nets
- Surface Area
  Rectangular Prism, Cube, Triangular Prism

Session 3: Volume
- Volume
  Cube, Rectangular, Prism Triangular Prism
- Painted Cubes
  (surface area)

Session 4: Positive & Negative
- Positive & Negative
- Product Hive game
- Sign Wars game

Session 5: Exponents
- Positive & Negative
- Exponents

Session 6: Expressions
- Order of Operations
- Evaluating Expressions
- Like Terms Corral game
- Simplifying Expressions
- Short Circuit Puzzle game

Session 7: Equations
- Inverse Operations
- Creating Models
- Isolating Variables
- Circle Sum Puzzle game

Session 7: Equations *(continued)*
- Perimeters as Expressions
- Translation

Session 8: Review

Session 9: Statistics
- Data Analysis
- Average
- Median

Session 10: Statistics
- Averaging Averages
- Mode
- Range
- Visualizing Data

Session 11: Factors & Multiples
- Divisibility
- Perfect Squares
- Greatest Common Factor
- The Euclidean Algorithm
- Least Common Multiple

Session 12: Factors & Multiples
- Venn Diagrams
- Factorials
- Prime

Session 13: Fractions
- Different Denominators
- Egyptian Fractions

Session 14: Fractions
- Fraction Products
- Mixed Number Products

Session 15: Fractions
- Reciprocals
- Fraction Division

Session 16: Review