

# YEAR 8

# MATHEMATICS



**SRI KDU**  
International  
School  
SUBANG JAYA

## PROGRAMME OF STUDY - TERM 1

### NUMBER

- Multiplying & Dividing Negative Numbers
- HCF
- LCM
- Powers & Roots
- Prime Factors
- Calculating Percentages
- Calculating Percentage Increases & Decreases
- Calculating a Change as a Percentage

### ALGEBRA

- Using Flow Diagrams to Generate Sequences
- The  $n$ -th Term of a Sequence
- Working out the  $n$ -th Term of a Sequence
- The Fibonacci Sequence

### GEOMETRY & MEASURE

- Angles in Parallel Lines
- The Geometric Properties of Quadrilaterals
- Rotations
- Translations
- Constructions
- Area of a Triangle
- Area of a Parallelogram
- Area of a Trapezium
- Surface Areas of Cubes & Cuboids

### STATISTICS & PROBABILITY

- Probability Scales
- Mutually Exclusive Events
- Using a Sample Space to Calculate Probabilities
- Experimental Probability