



**SRI KDU**  
International  
School  
SUBANG JAYA

# CURRICULUM OVERVIEW

# YEAR 6 MATHEMATICS



## NUMBER AND MEASURE

Number sequences including fractions, decimals and negative numbers  
Laws of arithmetic and order of operations  
Place value of decimal numbers  
Metric conversions  
Round numbers with 2 decimal places to the nearest tenth or whole number  
Convert between time intervals expressed as a decimal and in mixed units  
Calculation methods for long multiplication and division

### TERM 1



## GEOMETRY

Properties of quadrilaterals  
Rotational symmetry  
Area of right-angled triangles  
Parts of a circle, including construction of a circle



## STATISTICS AND PROBABILITY

Data collection (categorical, discrete and continuous)  
Presentation of data  
Interpretation of data  
Find and use mode, median, mean and range



## NUMBER

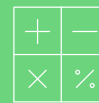
Generate terms in a sequence  
Algebra  
Calculation methods for addition and subtractions, including decimals  
Common multiples and common factors  
Tests of divisibility by 3, 6 and 9  
Square numbers and cube numbers (from 1 to 125)  
Calculation methods for multiplication and division with decimals  
Proper and improper fractions  
Fractions in their simplest form  
Find equivalences between, compare and order fractions, decimals and percentages  
Addition and subtraction with fractions of different denominators  
Multiplication and division with proper fractions by whole numbers  
Percentages (1%, and multiples of 5% up to 100%) of shapes and whole numbers

### TERM 2



## GEOMETRY

Coordinates across four quadrants  
Plot, translate and reflect 2D shapes across four quadrants  
Rotate shapes 90 around a vertex (clockwise or anticlockwise)



## NUMBER

Simplify calculations using the laws of arithmetic and order of operations  
Algebra  
Calculation methods for the four operations  
Fractions, decimals and percentages  
Metric conversions  
Convert between time intervals



## STATISTICS AND PROBABILITY

Ratio and direct proportion  
Language associated with probability and proportion  
Probability experiments  
Predict, analyse and describe the frequency of outcomes



## NUMBER

Simplify calculations using the laws of arithmetic and order of operations  
Algebra  
Calculation methods for the four operations  
Calculation methods for the four operations

WELCOME  
TO YEAR 7