WPS Maths Journey

WOOTTON PARK
'Ipsum quod faciendum est diutius'

A level Further Maths

Year 13
Further Kinematics
Projectiles and Applications of Forces
Moments
Normal Distribution
Conditional Probability
Regression and Correlation
Sequences and Series
Proof, Fractions and Functions

Year 12
Integration
Numerical Methods
Differentiation
Parametric Equations
Further Trigonometry
Exponentials and Logarithms
Algebra and Functions
Statistical analysis
Probability and Distribution
Kinematics and Force
Co-ordinate Geometry
Further Algebra and Binomial Expansion
Trigonometry
Introduction to calculus
Vectors

Level 2 Further Maths

Year 11
Transforming and construction
Geometric reasoning
Multiplicative reasoning
Exam prep and revision
Algebraic reasoning
Expanding and factorising
Functions

Year 10
Trigonometry
Inequalities
Working with circles
Probability
Percentages
Non-calculator methods
Using graphs
Congruency and similarity
Simultaneous equations
Vectors
Collecting data
Expressions
Non-linear graphs
Change the subject

GCSE Foundation

Year 9
Probability
Enlargement and similarity
Rotation and translation
Recall: Angles
Recall: Numbers
3D shapes
Forming and solving
Straight line graphs
Algebraic representation
Rates of change
Ratio and proportion
Pythagoras' theorem
Money calculations
Constructions and congruency
Testing conjectures

Year 8
Multiplicative reasoning
Working on a coordinate grid
Representing data
Equations and inequalities
Indices
Fractions and percentages
Number sense
Area of trapezia and circles
Ratio and scale
Multiplying and dividing fractions
Probability
Sequences
Standard form
Angles in parallel lines and polygons
Reflection
Interpreting data and measures of location

Year 7
Geometric reasoning
Fractional thinking
Directed Number
Multiplying and dividing
Place Value and ordering
Equality and equivalence
Sequences
Prime numbers and proof
Sets and probability
Develop number sense
Construction and measures
Fractions and Percentages of amounts
Adding and subtracting
FDP equivalence
Algebraic notation

Year 6
Place Value
Fractions
Converting units
Algebra
Fractions, Decimals, Percentages
Statistics
Position and Direction
Four Calculations
Fractions
Ratio
Decimals
Area, Volume, Perimeter
Properties of shape

Year 5
Negative numbers
Position and direction
Statistics
Decimals and percentages
Multiplication and Division
Multiplication and Division
Place Value
Volume
Converting units
Decimals
Properties of shape
Perimeter and Area
Fractions
Fractions
Addition and subtraction

Year 4
Place Value
Area
Multiplication and Division
Fractions
Decimals
Time
Statistics
Addition and Subtraction
Multiplication and Division
Length and Perimeter
Decimals
Money
Properties of shape
Position and Direction

Year 3
Properties of shape
Money
Mass and Capacity
Length and Perimeter
Multiplication and division
Place Value
Statistics
Time
Fractions
Fractions
Multiplication and division
Addition and subtraction

Year 2
Place Value
Shape
Multiplication and Division
Mass, Capacity and Temperature
Fractions
Problem Solving
Addition and Subtraction
Money
Length and Height
Statistics
Position and Direction
Time

Year 1
Money
Position and Direction
Multiplication and Division
Length and Height
Addition and subtraction
Shape
Place Value
Time
Place Value
Fractions
Mass and Volume
Place Value
Place Value
Addition and subtraction

Reception
Its me 1, 2, 3
Alive in 5
Building 9 and 10
First Then Now
Find my pattern
Just like me
Light and Dark
Growing 6, 7, 8
To 20 and Beyond
On the move
Number
Numerical Patterns

WPS VI
Further Mathematical expertise and develop modelling skills for university and future careers

Year 11
Embed Mathematical understanding into exams and daily life

Year 10
Extend and formalise Mathematical knowledge

Year 9
Consolidate Mathematical understanding from KS3 such as algebraic capability

Year 8
Develop mathematical reasoning and competence in solving increasingly sophisticated problems

Year 7
Consolidate numerical and mathematical capability from Key Stage 2.

Year 6
Demonstrate their fluency in all mathematical areas and undertake Year 6 SATs.

Year 5
Consolidate formal written methods and extend place value knowledge up to one million.

Year 4
Consolidate formal written methods, extend place value knowledge up to on10,000 and introduce decimals.

Year 3
Build confidence with calculations using concrete and pictorial approach. Build on knowledge of fractions.

Year 2
Build confidence with calculations using concrete and pictorial approach. Introduce variety of fractions.

Year 1
Build understanding of place value up to 100 and formally introduce the four calculations.

EYFS
Introduction to mathematical concepts and vocabulary.