Maths

Learning Journey

OCR
Oxford Cambridge and RSA

YEAR 11

Summer
Revision:
- Past paper and topic-based revision

Spring
Transformations:
- Rotation and reflection
- Enlargement and translation
- Construction

Reasoning:
- Direct and inverse proportion
- Proof

Autumn
Algebra:
- Expanding and factorising
- Changing the subject
- Functions

YEAR 10

Autumn
Developing Algebra:
- Inequalities
- Simultaneous equations

Spring
Data:
- Collecting, representing and interpreting data

Summer
Using Number:
- Non-calculator methods
- Types of number and sequences
- Indices and roots

Autumn
Geometry:
- Angles and bearings
- Area, circumference and arc length
- Vectors

Proportions and Proportional Change:
- Ratios and fractions
- Interest and percentages
- probability

Summer
Reasoning with Geometry:
- Construction and angles
- Rotation and translation
- Pythagoras' theorem

Representations:
- Probability
- Algebraic representations

Similarity:
- Congruence, similarity and enlargement
- Trigonometry

Spring
Reasoning with Proportion:
- Enlargement and similarity
- Ratio and proportion
- Compound measures

YEAR 9

Autumn
Reasoning with Algebra:
- Straight line graphs
- Forming and solving equations

Construction in 2 and 3 Dimensions:
- 3-D shapes
- Construction and congruency

Summer
Reasoning with Data:
- Averages
- Interpreting charts and graphs

Spring
Reasoning with Number:
- HCF/LCM
- Standard index form
- Using percentages
- Finance

Developing Geometry:
- Angles in parallel lines and polygons
- Area of trazezia and circles
- Line symmetry and reflection

Algebraic Techniques:
- Brackets, equations and inequalities
- Sequences
- Indices

Proportion and Reasoning:
- Ratio and scale
- Multiplicative change
- Multiplying and dividing fractions

YEAR 8

Autumn
Representations:
- Co-ordinates and linear graphs
- Representing data using graphs and charts
- Probability

Spring
Directed Number:
- Add and subtract negative numbers
- Multiply and divide negative numbers

Summer
Lines and Angles:
- Constructing, measuring and using geometric notation

Developing Number:
- Fractions and percentages
- Standard index form
- BIDMAS

Algebraic Thinking:
- Sequences
- Algebraic notation
- Equality and equivalence

YEAR 7

Autumn
Place Value and Proportion:
- Place Value
- Fractions, decimals and percentages

Spring
Applications of Number:
- Addition and subtraction
- Multiplication and division
- Fractions, decimals and percentages of amounts

Fractional Thinking:
- Addition and subtraction of fractions

Summer
Reasoning With Number:
- Probability
- Primes

Number
Shape and Space
Algebra
Data
KS2 SAT's

PRIMARY SCHOOL

St Ralph Sherwin
Catholic Multi Academy Trust