LEARNING JOURNEY

English Martyrs' Catholic School

Ut omnes unum sint — May they all be one

Beginning of Year 8 Maths

START

FDP 2
Add & Subtract Fractions including mixed numbers.
Multiply & Divide Fractions.
Using increase & Decrease multipliers.
Percentage change.

Algebra 2
Solving Equations.
Rearranging simple formula.

Synoptic test 4.

Easter

Area & Volume
Recap year 6 area.
Use standard formula for area & Volume
Find missing dimensions given the area/volume
Area of Trapezium.
Surface area of cuboids

May half Term

Transformations (Cont.)
Recap year 6- Lines of symmetry.
Reflections.
Translations.
Rotations.
Enlargements.

Statistics 2
Median
Mode
Range
Mean
Analyse sets of data using averages

Synoptic test 5

End of Year 7 Maths

Checking & Estimating
Rounding and approximations

Feb Half term

Statistics 1
Pictograms/bar charts
Stem & Leaf Diagrams
Duel bar charts
Drawing pie charts

Synoptic test 3

Geometry- Angles
Angles around a point
Angles on a line
Calculating missing angles
Exterior/Interior angles

Ratio & proportion
Ratio Notation
Conversion graphs
Simplify ratios
Direct proportion
Sharing in a given ratio

Transformations
Recap year 6- Lines of symmetry.
Reflections.
Translations.
Rotations.
Enlargements.

Probability
Write simple probability
Language of probability
P(Not)= 1- P(is)

Christmas

Shape:
Special quadrilaterals
Properties of quadrilaterals
3D shapes
Apply properties to solve problems.

Sequences 1:
Use term to term rule
Generate term to term rule
Triangle numbers and Fibonacci numbers.

Measures
Measuring angles
Converting between units of mass, volume, time & money.

FDP 1
Write quantities as fractions of another.
Convert between mixed numbers & improper fractions.
Write quantities as percentages of another.

Oct Half Term

Algebra 1:
Laws of Algebra
Write expressions
Substitute positive & negative values into formula
Derive simple formula

Constructions 1
Construct SSS triangles
Perpendicular Bisector
Angle bisector
Construct SAS and ASA using rule & protractor

Synoptic Test 2

Calculating 1
Order of operations
Add and subtract negative numbers
Using inequality symbols

Synoptic Test 1

Coordinates & Graphs
Plot coordinates
Substitute into formula
Plot graphs y =mx+c
Ploy Y= 3 X = 4

Number System 2
Ordering Negative numbers
Ordering fractions with different denominators

Number System 1 - Factors & Multiples
Factors, multiples and primes?
Divisibility tests

Y7 Maths | Number | Algebra | Shape Space & Measure | Data Handling | **Mr Hawkes**