CURRICULUM MAP – Year 9

ST JAMES'
CATHOLIC HIGH SCHOOL

HT1:

Unit 1 – Number
Product rule for counting
Combinations
Place value and estimation
Using Venns for HCF/LCM

Unit 2 – Algebra
Further manipulation
Using equations to problem solve
Nth term (quadratic)
Geometric and Fibonacci sequences)

HT2:

Unit 3 – Data
Time Series
Frequency diagrams and polygons
Estimate of the mean
Reserve mean
Two way tables
Scatter graphs including predictions

Unit 4 – Calculating Space
Volume and surface area of prisms
Circles and sectors

INTERLEAVING WEEK (Revisit Units 1, 2 and 3 from Gap analysis)

Assessment Point: Summative or AFL

HT1 & HT2

HT 1 Assessment – testing knowledge of skills taught in Units 1 and 2

HT 2 Assessment – testing knowledge of skills taught in Units 3 and 4 AND interleaving of topics in units 1 and 2

HT3:

Unit 5 – Fractions, decimals, percentages, ratio and proportion
4 operations with fractions,
Problem solving with ratio (Bar Modelling)
Percentage change
Compound Interest and depreciation
Convert recurring decimals to fractions

Unit 6 – Triangles Properties
Pythagoras' Theorem
Trigonometry

HT4:

Unit 6 – Triangles Properties
Pythagoras' Theorem
Trigonometry

Unit 7 – Probability
Frequency trees
Sample Space Diagrams
Tree diagrams
Conditional probability
Venn diagrams

INTERLEAVING WEEKS (Revisit Units 1-6 from Gap analysis)

Assessment Point: Summative or AFL

HT3 and HT4 (with elements of HT1 and HT2)

HT 3 Assessment – testing knowledge of skills taught in Units 5 and 6

HT 4 Assessment – testing knowledge of skills taught in Unit 7 AND interleaving of topics in units 5 and 6

HT5

Unit 7 – Probability (continued)
Frequency trees
Sample Space Diagrams
Tree diagrams
Conditional probability
Venn diagrams

Unit 8 –Shape
Polygons
Angles
Properties of polygons
Circle theorems

HT6:

Unit 9 – Algebraic Graphs
Linear graphs
Y=mx+c
Distance time graphs
Velocity time graphs
Quadratic graphs
Cubic Graphs
Equation of a circle

Unit 10 – Transformations (Include fractional and negative enlargement)

INTERLEAVING WEEKS (Revisit Units 1-9 from Gap analysis)

EOY Assessment Point

HT1 – HT6

HT 5 Assessment – testing knowledge of skills taught in Units 7 and 8

HT 6 Assessment – testing knowledge of skills taught in Units 1 and 10

Number

Algebra

Geometry and Measures

Ratio and Proportion

Handing Data

With God all things are possible Matthew 19:26