

Possible space for school emblem

# SUBJECT CURRICULUM MAP

## FURTHER STUDY

A solid grounding in Maths can boost your ability in Science, Computing, Business, Geography, and many more!

## CAREER PATHS

Ranging from Mechanics to Medicine, an A Level in mathematics is looked upon favourably by a great many careers.

## SKILLS

Numerical fluency, problem solving, team work and independence – Maths develops it all!

## INTEREST

A continued passion and love of learning about the language of the universe!

**To Finish...**

- Similarity
- Vectors
- Graphs
- Proportion
- Complex Graphs

**Revision**

- Mock papers
- Question Level Analysis
- Laser sharp focus!

**REVISION**

**REVISION & EXAMS**

**Mock Set 1**

**Revision Intermediate Maths Challenge**

**Mock Set 2**

**REVISION & EXAMS**

**Number & Geometry**

- Fractions
- Indices
- Standard Form
- Congruence
- Vectors

**YEAR 11**

**Algebra & Geometry**

- Circles
- Sectors
- Spheres
- Algebraic Fractions

**Algebra & Geometry**

- Loci
- Quadratics
- Graphs
- Circle Theorems

**Data, Probability, Geometry**

- Probability
- Compound Meas
- Harder Trig
- Statistical Diagrams

**Geometry**

- Trigonometry
- Trig in 3D
- Similarity
- Congruence

**GCSE Calculator Assessment**

**Intermediate Maths Challenge**

**GCSE Non-Calculator Assessment**

**Number, Algebra & Ratio**

- Money
- Straight Line Graphs
- Ratio

**Algebra, Geometry**

- Constructions
- Congruence
- Similarity
- Algebraic manipulation

**Geometry & Probability**

- Pythagoras
- Non-Linear Graphs
- Probability

**Geometry & Algebra**

- Transformations
- Simultaneous Equations
- Trigonometry

**YEAR 10**

**Algebra & Probability**

- Linear Graphs
- Equations
- Inequalities
- Probability

**Probability, Geometry, Proportion**

- Transformations
- Ratio
- Proportion
- Venn Diagrams
- Compound Measures

**END OF TERM ASSESSMENT**

**END OF TERM ASSESSMENT**

**Algebra & Number**

- Equations
- Fractions
- Rates
- Standard Form

**Number & Geometry**

- Number
- Percentages
- Area & Volume

**YEAR 9**

**Geometry, Stats & Algebra**

- Circles
- Graphs
- Sequences

**Geometry & Probability**

- Angles
- Tables
- Probability

**Algebra, Number & Statistics**

- Indices
- Standard Form
- Data

**Geometry, Algebra & Number**

- Area, Volume
- Density
- Equations & Inequalities
- Percentages

**END OF TERM ASSESSMENT**

**END OF TERM ASSESSMENT**

**Number & Geometry**

- Directed Number
- Frac/Dec of Amounts
- Perimeter & Area

**Number & Ratio**

- Speed Distance Time
- Properties of Number

**Number & Geometry**

- Fractions
- Angles & Polygons

**YEAR 8**

**Ratio & Algebra**

- Ratio
- Proportion
- Algebraic Manipulation

**Ratio & Algebra**

- Ratio
- Proportion
- Algebraic Manipulation

**Geometry, Algebra & Number**

- Coordinates & Graphs
- Fractions
- Symmetry & Reflection

**END OF TERM ASSESSMENT**

**END OF TERM ASSESSMENT**

**Number & Statistics**

- Graphing Data
- Fractions, Decimals, Percentages

**Number & Statistics**

- Place Value
- Averages & Range
- Rounding & Estimation

**Number & Algebra**

- Sequences
- Notation
- Expressions & Equations

**YEAR 7**

**BIDMAS**

( )  
n<sup>a</sup> √n  
÷ ×  
+ -

$x^a \times x^b = x^{a+b}$

$x^a \div x^b = x^{a-b}$

Pupils complete an assessment and a whole class feedback activity at the end of each topic.

Pupils are set homework on Sparx Maths every Wednesday.

**END OF TERM ASSESSMENT**

**END OF TERM ASSESSMENT**

**A01 USE & APPLY**  
Facts, Notation & Procedures

**A02 REASONING**  
Deductions, Inferences, Communication & Arguments

**A03 PROBLEM SOLVING**  
Processing, making connections and evaluating