



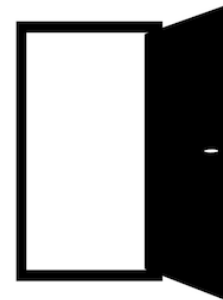
Shipston High: Mathematics Curriculum



This curriculum map is being phased into the department with projected completion due 2020-2021 – some areas subject to change



GCSE Examination season:
GCSE Mathematics



Year 11

Continuation of ZigZag papers combined with revision of topics identified in the March mock

ZigZag papers and revision of topics as per mock analysis

March Mock

Revision for December Mock

Proportionality
Proportion and graphs

Geometry
Vectors and geometric proof

Algebra
Algebraic fractions and proof

Revision program for each set depending on analysis of mock exam data

Year 10

Handling data
Further statistics

Geometry
Similarity and congruence

Algebra
Equations and graphs

Geometry
Circle theorems

Revision of work done so far for Year 10 Mocks

Geometry
More trigonometry

Reasoning
Compound measures

Reasoning with number
Probability

Algebra
Equations and inequalities

Developing geometry
Transformations and constructions

Year 9

Geometry
Angle properties, Pythagoras' theorem, trigonometry

Algebra
Linear, real-life, quadratic, cubic and reciprocal graphs

Developing geometry
Area and volume including circles, cylinders, spheres, pyramids and cones

Number skills
Fractions, ratio and percentages

Number
Number problems and reasoning

Algebra
Graphs

Geometry
Scale drawing and measures

Year 8

Handling data
Interpreting and representing data

Algebra
Sequences, equations work

Reasoning with number
Probability

Algebraic Thinking
Sequences and graphs

Number
Factors and powers

Geometry
2-D shapes and 3-D solids

Developing Geometry
Transformations

Reasoning with geometry
Constructions and loci

Reasoning
Multiplicative reasoning

Applications of number
Fractions, decimals and percentages

Geometry
Perimeter, area and volume

Developing algebra
Working with powers

Geometry
Real life graphs

Welcome to Maths at Shipston High – the adventure starts here!

Year 7

Geometry
Angles and shapes

Algebra:
Equations, functions and formulae

Reasoning with Data:
Analysing and displaying data

Algebra
Equations

Number
Decimals

Number
Fractions

Using number:
Number skills

