

# MATHEMATICS

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Pupil year: **Upper 3 (Yr 7)**

Head of Department: **Dr P Merisi**

## **Subject Topic / Skills**

### **Autumn Term**

Number

Decimals – place value, addition and subtraction  
Number patterns and sequences  
Directed numbers

Algebra

Linear equations

Shape & Space

Graphs and co-ordinates  
Angles – measurement and classification  
Angles in triangles

Data Handling

Data collection and display

### **Spring Term**

Number

Decimals and integers – multiplication and division  
Fractions – equivalence, mixed numbers and vulgar fractions – four rules

Algebra

Balancing equations

Shape & Space

Areas and perimeters – rectangles, triangles and compound shapes

Data Handling

Venn diagrams

### **Summer Term**

Number

Time and timetables  
Decimals, fractions and percentages

Shape & Space

Volume – cuboids, triangular prisms  
Scale drawing

Data Handling

Averages  
Probability – single events, addition law, relative frequency

### **Throughout the year**

Use of non-calculator based methods – Mental arithmetic skills and practice – Oral discussions – Aural questions – Practical tasks – Functional skills tasks – Investigational work on open-ended tasks.