

# MATHEMATICS

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

Head of Department: **Dr P Merisi**

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## **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 Pictorial number patterns and sequences
Algebra	Balancing equations
Shape & Space	Areas and perimeters – rectangles, triangles and compound shapes

## **SUMMER TERM**

Number	Time and timetables Decimals, fractions and percentages
Shape & Space	Volume – cuboids, triangular prisms Scale drawing
Data Handling	Venn diagrams Averages Probability – single events, addition law, relative frequency

## **THROUGHOUT THE YEAR**

Use of non-calculator based methods – Mental arithmetic skills and practice –  
Discussions – Questions – Practical tasks – Functional skills tasks – Investigational  
work on open-ended tasks