

MATHEMATICS

Student year: **Lower 4 (Yr 8)**

Head of Department: **Dr P Merisi**

AUTUMN TERM

Number	Indices and factors Rounding and estimating Ratio and proportion
Algebra	Expanding brackets, simple factorisation Linear equations
Shape & Space	Pythagoras' theorem

SPRING TERM

Number	Consolidation of basic operations Revision of directed numbers Fractions and percentages
Algebra	Formulae and equations
Shape & Space	Nets and surface areas of cuboids, prisms and pyramids
Data Handling	Graphical representation of data Frequency tables and calculation of mean, median, mode and range

SUMMER TERM

Number	Units of measure Distance, speed, time and compound measures
Algebra	Consolidation of earlier work on formulae, equations and use of brackets
Shape & Space	Angles, bearings and maps Circles and cylinders Polygons
Data Handling	Probability

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.