

## Year 7 Summer Term Maths Curriculum

Students in Year 7 study different content dependent upon their class. The classes will spend approximately two weeks studying each topic.

<b>Mrs Joseph and Mr Storey Scott</b>		<b>Miss Robinson and Mr Ahluwalia</b>		<b>Mr Bees and Mr McClusky</b>	
Coordinates	Students knowledge of accurately plotting and reading coordinates is consolidated before linking this to compass directions and the skill of translating shapes.	Fractions and percentages	Equivalence of fractions and percentages is consolidated before students further develop their skills in finding percentages of quantities using the double number line.	Sequences	Students look at how arithmetic sequences can be described using term to term and position to term rules. Geometrical sequence patterns are also considered.
Money	After looking at the value of the coins and notes used within the UK students solve a variety of problems involving adding and subtracting different amounts of money and calculating change.	Measurements	After looking at how to read scales accurately, students look at the different metric units for length, mass and capacity. This involves estimating measuring and converting between different units.	Transformations	Students transform shapes using reflections, rotations and translations. The reverse process of describing transformations is also considered as well as combining various transformations.
Equivalent fractions	By looking at pictorial representations of fractions students identify equivalence, this is then developed looking at numerical forms of fractions. Techniques for finding fractions of quantities are then studied.	Squares, cubes, roots and order of operations	By firstly drawing pictorial sequences, students define square cube and triangular numbers. Students also learn how to find and estimate square roots before looking at how these operations can be combined.	Representations of solids	After first looking at the different properties of common solids; students look at various ways of representing them including isometric drawings, nets and plan and elevations
Presentation of data	Various methods for recording and presenting data are studied including tally charts, bar charts and pictograms. Students practice drawing these graphs and reading information from them.	Averages and data	Students firstly look at the different averages used to represent sets of data. They then look at how data sets can be represented using both pie charts and line graphs	Averages and measures of spread	After looking at when it is appropriate to use each of the different averages, students solve problems involving missing data and data presented to them in a frequency table. Range of data considered.
Review of Year 7 work and summative tests	Students review all work completed in Year 7 before completing a summative end of Year test.	Review of Year 7 work and summative tests	Students review all work completed in Year 7 before completing a summative end of Year test.	Review of Year 7 work and summative tests	Students review all work completed in Year 7 before completing a summative end of Year test.

After completing each topic students complete an assessed homework task which is recorded in the front of their yellow assessment books.

Results of tests are recorded in the back of student's yellow assessment books.