



‘Subject’ Curriculum Plan Overview

Year 7

Term	Topic	Learning	How can parents’ best support
Autumn 1	Data Basic Number Function Machines	Use of questionnaires to collect data and display using charts and tables. 4 operations with positive numbers Function Machines	Practice both mental and written methods of calculations strategies. Practice times tables
Assessment:	<u>Self assessment and topic tests</u>		
Autumn 2	Negative numbers Coordinates Fractions 2D / 3D shapes	Using a number line to add and subtract negative numbers. Coordinates in 4 quadrants. Recognise and use fractions- simplify and find equivalent fractions	Talk about negative numbers in context of temperature. Use maps to look at grids and the conventions of coordinates in context. Discuss fractions in cooking or sharing out of items.
Assessment:	<u>Self assessment and topic tests</u>		
Spring 1	Sequences Measures Decimals Area and perimeter	Generate sequences numerically or with concrete items. Measure real items and choose suitable units to present answers. Understand place value and the concept of decimals. Area and perimeter of regular and irregular shapes.	Estimate and weigh items around the home. Discuss weights and measures of common items. Talk about money as a decimal to 2 decimal places and add and subtract in context. Giving change and checking change will support this area.
Assessment:	<u>Self assessment and topic tests</u>		
Spring 2	Symmetry Ratio Percentages Probability	Describe and use line symmetry. Recognise basic ratios as a means of comparing 2 or more items. Understand basic percentage and a proportion of 100 and be able to calculate simple percentages mentally. Understand likelihood chance of events happening.	Draw patterns and doodles with symmetry and look at symmetry in building and fabrics. Recognise where percentages are used in everyday life - newspaper articles Play games and discuss probabilities of winning.
Assessment:	<u>Self assessment and topic tests</u>		
Summer 1	Equations and expressions 2D/3D Angles	Solve equations with one unknown and write expression for wordy questions. “D representations of 3D shapes e.g. plans and elevations Estimate, measure and draw angles.	When out and about look at angles in buildings and consider the different views i.e what it looks like from each side and what it would look like from the top (plan)
Assessment:	<u>End of year assessment</u>		
Summer 2	Averages Angle rules Fractions of amounts	Calculate mean, median, mode and range of a set of data. Use angle rules to calculate missing angles in shapes. Use fractions of amounts.	Discuss how average are used in everyday life by politicians and companies. Find fractions of money and weights in real life situations