

Year 10 Foundation Mathematics

Learning Intentions Autumn Term 2

2024 - 2025

	LESSON 1	LESSON 2	LESSON 3
WEEK 9 wc 4 th November	<ul style="list-style-type: none"> • Multiply whole numbers, fractions and mixed numbers. • Simplify calculations by cancelling. 	<ul style="list-style-type: none"> • Divide a whole number by a fraction. • Divide a fraction by a whole number or a fraction. 	<ul style="list-style-type: none"> • Convert fractions to decimals and vice versa. • Use decimals to find quantities. • Write one number as a fraction of another.
WEEK 10 wc 11 th November	<ul style="list-style-type: none"> • Convert percentages to fractions and vice versa. • Write one number as a percentage of another. 	<ul style="list-style-type: none"> • Convert percentages to decimals and vice versa. • Find a percentage of a quantity. 	<ul style="list-style-type: none"> • Use percentages to solve problems. • Calculate simple interest.
WEEK 11 wc 18 th November	<ul style="list-style-type: none"> • Calculate percentage increases and decreases. 	<ul style="list-style-type: none"> • Use percentages in real-life situations. • Calculate VAT (value added tax). 	<ul style="list-style-type: none"> • Check, strengthen & extend – fractions, decimals and percentages.
WEEK 12 wc 25 th November	<ul style="list-style-type: none"> • Translate a shape on a coordinate grid. • Use a column vector to describe a translation. 	<ul style="list-style-type: none"> • Draw a reflection of a shape in a mirror line. • Draw and describe reflections on a coordinate grid. 	<ul style="list-style-type: none"> • Rotate a shape on a coordinate grid. • Describe a rotation.
WEEK 13 wc 2nd December	<ul style="list-style-type: none"> • Enlarge a shape by a scale factor. • Enlarge a shape using a centre of enlargement. 	<ul style="list-style-type: none"> • Identify the scale factor of an enlargement. • Find the centre of enlargement and use it to fully describe an enlargement. 	<ul style="list-style-type: none"> • Transform shapes using more than one transformation. • Describe combined transformations of shapes on a grid.

WEEK 14 wc 9 th December	<ul style="list-style-type: none"> • Check, strengthen & extend – transformations. 	<ul style="list-style-type: none"> • Calculate the mean from a list and from a frequency table. • Compare sets of data using the mean and range. 	<ul style="list-style-type: none"> • Find the mode, median and range from a stem and leaf diagram. • Identify outliers. • Estimate the range from a grouped frequency table.
WEEK 15 wc 16 th December	<ul style="list-style-type: none"> • Recognise the advantages and disadvantages of each type of average. 	<ul style="list-style-type: none"> • Find the modal class. • Find the median from a frequency table. 	<ul style="list-style-type: none"> • Estimate the mean of grouped data.