

# Maths Year 9 Learning Intentions

## Learning Intentions Summer Term 1

2024-2025

	LESSON 1	LESSON 2	LESSON 3
WEEK 28 wc 21 <sup>st</sup> April	Bank Holiday	<ul style="list-style-type: none"><li>Solve best-buy problems.</li></ul>	<ul style="list-style-type: none"><li>Solve problems involving inverse proportion.</li></ul>
WEEK 29 wc 28 <sup>th</sup> April	<ul style="list-style-type: none"><li>Review drawing common straight lines parallel to the axes, <math>y = x</math>, <math>y = x + c</math>, <math>y = -x</math> by creating co-ordinates.</li></ul>	<ul style="list-style-type: none"><li>Create a table of values to plot straight lines in the form <math>y = mx + c</math>.</li></ul>	<ul style="list-style-type: none"><li>Investigate gradient and y-intercept.</li><li>Write the equation of a line parallel to another line.</li></ul>
WEEK 30 wc 5 <sup>th</sup> May	Bank Holiday	<ul style="list-style-type: none"><li>Draw graphs with equations like <math>ax + by = c</math>, starting with <math>x + y = c</math>.</li><li>Know that you can plot any linear graph by substituting <math>x = 0</math> and <math>y = 0</math> into its equation, to find the x and y intercepts.</li></ul>	<ul style="list-style-type: none"><li>Rearrange equations of graphs into <math>y = mx + c</math>.</li></ul>
WEEK 31 wc 12 <sup>th</sup> May	<ul style="list-style-type: none"><li>Solve problems using simultaneous equations using straight line graphs.</li></ul>	<ul style="list-style-type: none"><li>Draw graphs with quadratic equations in the form <math>y = x^2</math> and <math>y = x^2 + c</math>.</li></ul>	<ul style="list-style-type: none"><li>Interpret graphs of quadratic functions.</li></ul>
WEEK 32 wc 19 <sup>th</sup> May	<ul style="list-style-type: none"><li>Draw and interpret graphs showing inverse proportion.</li></ul>	<ul style="list-style-type: none"><li>Draw and interpret non-linear graphs.</li></ul>	<ul style="list-style-type: none"><li>Unit 8: Check, Strengthen &amp; Extend.</li></ul>