

# Mathematics Year 11 Foundation

## Learning Intentions Spring Half-term 2

2024-2025

	LESSON 1	LESSON 2	LESSON 3	LESSON 4
WEEK 22 wc 24 <sup>th</sup> February	<ul style="list-style-type: none"><li>• PAZ 2 EXAM</li></ul>	<ul style="list-style-type: none"><li>• Work out the volume of cylinders.</li></ul>	<ul style="list-style-type: none"><li>• Work out the surface area of cylinders.</li></ul>	<ul style="list-style-type: none"><li>• Exam practise</li><li>• Bespoke PAZ review and remedy.</li></ul>
WEEK 23 wc 3 <sup>rd</sup> March	<ul style="list-style-type: none"><li>• Work out the volume of a pyramid and a cone.</li></ul>	<ul style="list-style-type: none"><li>• Work out the surface area of a pyramid and cone.</li></ul>	<ul style="list-style-type: none"><li>• Work out the volume and surface area of a sphere using given formulae.</li></ul>	<ul style="list-style-type: none"><li>• Exam practise</li><li>• Bespoke PAZ review and remedy.</li></ul>
WEEK 24 wc 10 <sup>th</sup> March	<ul style="list-style-type: none"><li>• Understand similarity.</li><li>• Use similarity to solve angle problems.</li></ul>	<ul style="list-style-type: none"><li>• Find the scale factor of an enlargement.</li><li>• Use similarity to solve problems.</li></ul>	<ul style="list-style-type: none"><li>• Recognise congruent shapes.</li><li>• Use congruence to work out unknown angles and sides.</li></ul>	<ul style="list-style-type: none"><li>• Exam practise</li><li>• Bespoke PAZ review and remedy.</li></ul>
WEEK 25 wc 17 <sup>th</sup> March	<ul style="list-style-type: none"><li>• Add and subtract vectors.</li><li>• Find the resultant of two vectors.</li></ul>	<ul style="list-style-type: none"><li>• Subtract vectors.</li><li>• Find multiples of a vector.</li></ul>	<ul style="list-style-type: none"><li>• Draw and interpret graphs of cubic functions.</li><li>• Draw and interpret graphs of <math>y = 1/x</math>.</li></ul>	<ul style="list-style-type: none"><li>• Exam practise</li><li>• Bespoke PAZ review and remedy.</li></ul>
WEEK 26 wc 24 <sup>th</sup> March	<ul style="list-style-type: none"><li>• Draw and interpret non-linear graphs to solve problems.</li></ul>	<ul style="list-style-type: none"><li>• Solve simultaneous equations by drawing a graph.</li></ul>	<ul style="list-style-type: none"><li>• Solve simultaneous equations algebraically.</li></ul>	<ul style="list-style-type: none"><li>• Exam practise</li><li>• Bespoke PAZ review and remedy.</li></ul>
WEEK 27 wc 31 <sup>st</sup> March	<ul style="list-style-type: none"><li>• Solve simultaneous equations algebraically where one or more equations need changing.</li></ul>	<ul style="list-style-type: none"><li>• Change the subject of a formula.</li></ul>	<ul style="list-style-type: none"><li>• Identify expressions, equations, formulae and identities.</li></ul>	<ul style="list-style-type: none"><li>• Exam practise</li><li>• Bespoke PAZ review and remedy.</li></ul>