

**Mathematics Year 11 Higher
Learning Intentions Spring Term 1**

2024-2025

	LESSON 1	LESSON 2	LESSON 3	LESSON 4
WEEK 17 wc 13 th January	<ul style="list-style-type: none"> • Draw and interpret cumulative frequency tables and diagrams. • Work out the median, quartiles and interquartile range from a cumulative frequency diagram. 	<ul style="list-style-type: none"> • Draw and interpret box plots. 	<ul style="list-style-type: none"> • Find the quartiles and the interquartile range from stem-and-leaf diagrams. 	<ul style="list-style-type: none"> • Exam practise • Bespoke PAZ review and remedy.
WEEK 18 wc 20 th January	<ul style="list-style-type: none"> • Understand frequency density. • Draw histograms. 	<ul style="list-style-type: none"> • Interpret histograms. 	<ul style="list-style-type: none"> • Compare two sets of data. 	<ul style="list-style-type: none"> • Exam practise • Bespoke PAZ review and remedy.
WEEK 19 wc 27 th January	<ul style="list-style-type: none"> • Solve simultaneous equations graphically. 	<ul style="list-style-type: none"> • Represent inequalities on graphs. • Interpret graphs of inequalities. 	<ul style="list-style-type: none"> • Recognise and draw quadratic functions. 	<ul style="list-style-type: none"> • Exam practise • Bespoke PAZ review and remedy.
WEEK 20 wc 3 rd February	<ul style="list-style-type: none"> • Understand and use facts about chords and their distance from the centre of a circle. • Solve problems involving chords and radii. 	<ul style="list-style-type: none"> • Understand and use facts about tangents at a point and from a point. • Give reasons for angle and length calculations involving tangents. 	<ul style="list-style-type: none"> • Understand, prove and use facts about angles subtended at the centre and the circumference of circles. • Find missing angles using these theorems and give reasons for answers. 	<ul style="list-style-type: none"> • Exam practise • Bespoke PAZ review and remedy.

<p>WEEK 21 wc 10th February</p>	<ul style="list-style-type: none"> • Understand, prove and use facts about angles subtended at the circumference of a circle. 	<ul style="list-style-type: none"> • Understand, prove and use facts about cyclic quadrilaterals. • Prove the alternate segment theorem. 	<ul style="list-style-type: none"> • Solve angle problems using circle theorems. • Give reasons for angle sizes using mathematical language. 	<ul style="list-style-type: none"> • Exam practise • Bespoke PAZ review and remedy.
<p>Feb Half- term Revision</p>	<ul style="list-style-type: none"> • Find the equation of the tangent to a circle at a given point. 	<ul style="list-style-type: none"> • Review of all circle theorem exam questions. 	<ul style="list-style-type: none"> • PAZ 2 Exams 	<ul style="list-style-type: none"> • PAZ 2 Exams