

# Mathematics Year 10 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>Use venn diagrams to list outcomes and work out probabilities.</li> </ul>	<ul style="list-style-type: none"> <li>Understand the language of sets and venn diagrams.</li> </ul>	<ul style="list-style-type: none"> <li>PAZ2 Assessment - NC</li> </ul>	<ul style="list-style-type: none"> <li>PAZ2 Assessment – Calculator allowed</li> </ul>
WEEK 23 wc 3 <sup>rd</sup> March	<ul style="list-style-type: none"> <li>Use frequency trees and work out associated probabilities.</li> </ul>	<ul style="list-style-type: none"> <li>Work out probabilities using tree diagrams.</li> </ul>	<ul style="list-style-type: none"> <li>Understand independent events.</li> </ul>	<ul style="list-style-type: none"> <li>Solve probability problems involving events that are not independent.</li> </ul>
WEEK 24 wc 10 <sup>th</sup> March	<ul style="list-style-type: none"> <li>Solve simple equations.</li> <li>Solve two-step equations.</li> </ul>	<ul style="list-style-type: none"> <li>Solve linear equations with brackets.</li> </ul>	<ul style="list-style-type: none"> <li>Solve equations with unknowns on both sides.</li> </ul>	<ul style="list-style-type: none"> <li>Use real-life situations to construct quadratic and linear equations and solve them.</li> </ul>
WEEK 25 wc 17 <sup>th</sup> March	<ul style="list-style-type: none"> <li>Use correct notation to show inclusive and exclusive inequalities.</li> <li>Solve simple linear inequalities.</li> </ul>	<ul style="list-style-type: none"> <li>Write down whole numbers which satisfy an inequality.</li> <li>Represent inequalities on a number line.</li> </ul>	<ul style="list-style-type: none"> <li>Solve two-sided inequalities.</li> </ul>	<ul style="list-style-type: none"> <li>Substitute values into formulae and solve equations.</li> </ul>
WEEK 26 wc 24 <sup>th</sup> March	<ul style="list-style-type: none"> <li>Change the subject of a formula.</li> </ul>	<ul style="list-style-type: none"> <li>Recognise and extend sequences.</li> <li>Use the nth term to generate terms of a sequence.</li> <li>Find the nth term of an arithmetic sequence.</li> </ul>	<ul style="list-style-type: none"> <li>Draw and interpret comparative and composite bar charts.</li> </ul>	<ul style="list-style-type: none"> <li>Construct and interpret stem and leaf and back-to-back stem and leaf diagrams.</li> </ul>
WEEK 27 wc 31 <sup>st</sup> March	<ul style="list-style-type: none"> <li>Draw and interpret pie charts.</li> </ul>	<ul style="list-style-type: none"> <li>Plot and interpret scatter graphs.</li> </ul>	<ul style="list-style-type: none"> <li>Determine whether or not there is a relationship between sets of data.</li> <li>Use the line of best fit to predict values.</li> </ul>	<ul style="list-style-type: none"> <li>End of half-term review.</li> </ul>