

Year 10 Set 1 Mathematics

Learning Programme 5

<p>The LORIC skill focus for this LP is: COMMUNICATION.</p> <p>The Moral Virtues focus for this LP are: COURAGE and HUMILITY.</p> <p>Courage - Acting with bravery and overcoming fears.</p> <p>Humility - Having a modest view of oneself.</p> <p>What will I be learning about in this Learning Programme? In LP5.1 will be learning about analysing data, working with numbers and indices and standard form.</p> <p>Where have I seen this learning before? KS3: the data handling cycle, rounding and estimating, sequences, indices and powers of ten.</p> <p>What could I use it for? The knowledge and skills I will learn in this learning programme will allow me to use data analysis to compare distributions, use rounding and estimation to find limits of accuracy and explore non-linear sequences. I will be able to solve problems involving indices, surds and standard form.</p>		<p>Literacy:</p> <ul style="list-style-type: none"> • Capital letters must be used at the start of sentences and for the first letter of proper nouns • Full stops must be used at the end of a sentence • Question marks must be used at the end of a question • Apostrophes should only be used for possession or omission • Days of the week and months must be spelled correctly • Key words must be spelled correctly
<p>In LP5.1, I will know:</p> <p>how to identify populations and samples; how to construct a stratified sample; how to work with primary and secondary data.</p>	<p>13/05/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Stratified Sample</p>	<p>Homework</p> <p>LP4 consolidation Sparx Maths</p>
<p>In LP5.2, I will know:</p> <p>how to construct and interpret stem-and-leaf diagrams; how to construct and interpret frequency tables and frequency polygons; how to construct and interpret line and bar charts (including composite bar charts).</p>	<p>20/05/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Average</p>	<p>Homework</p> <p>LP5:1 Topics plus consolidation Sparx Maths</p>
<p>In LP5.3, I will know:</p> <p>how to construct and interpret histograms; how to construct and interpret cumulative frequency diagrams; how to compare distributions using charts and measures.</p> <p>Extended Task.</p>	<p>03/06/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Distribution</p>	<p>Homework</p> <p>LP5:2 Topics plus consolidation Sparx Maths</p>
<p>In LP5.4, I will know:</p> <p>how to identify rational and irrational numbers and convert recurring decimals to fractions; how to use surds; how to calculate with surds.</p>	<p>10/06/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Irrational</p>	<p>Homework</p> <p>LP5:3 Topics plus consolidation Sparx Maths</p>
<p>In LP5.5, I will know:</p> <p>how to use limits of accuracy; how to use upper and lower bounds.</p>	<p>17/06/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Bounds</p>	<p>Homework</p> <p>LP5:4 Topics plus consolidation Sparx Maths</p>
<p>In LP5.6, I will know:</p> <p>how to describe and continue arithmetic and geometric sequences; how to explore other sequences; how to find the rule for the nth term of quadratic sequence.</p> <p>Extended Task.</p>	<p>24/06/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Bounds</p>	<p>Homework</p> <p>LP5:5 Topics plus consolidation Sparx Maths</p>
<p>In LP5.7, I will know:</p> <p>how to use the power zero and negative indices; how to work with powers of powers; how to use fractional indices.</p>	<p>01/07/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Indices</p>	<p>Homework</p> <p>LP5:6 Topics plus consolidation Sparx Maths</p>
<p>In LP5.8, I will know:</p> <p>how to use powers of ten and standard form; how to calculate with numbers in standard form.</p>	<p>08/07/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Standard Form</p>	<p>Homework</p> <p>LP5:7 Topics plus consolidation Sparx Maths</p>
<p>Resources to support learning: Pupils have access to knowledge organisers and Sparx Maths to further support them in their Mathematics revision beyond the classroom. All weekly homework tasks will be set on Sparx Maths and all questions have a video to support. Pupils can access any topic in the Independent Practice section on Sparx Maths. Sparx Maths has been introduced to the pupils by their teachers and their login details should be written in their planner.</p>		
<p>FFET Award Challenge for this Learning Programme: Complete 4 XP Boost Tasks on Sparx Maths</p>		

PRT Task 1

PRT Task 2