

Learning Plan 1		Subject/Pwnc: Mathemateg	Year/Blwyddyn: 7		
<p><u>The Four Purposes in Maths and Numeracy:</u></p> <p>Ambitious, capable learners who: set themselves high standards; seek and enjoy challenge; are increasingly knowledgeable and skilful; are questioning; enjoy solving problems; can communicate effectively; can explain the ideas and concepts; can use number effectively; understand how to interpret data and apply mathematical concepts</p> <p>Enterprising, creative contributors who: connect and apply their knowledge and skills to create ideas; think creatively to reframe and solve problems; identify and grasp opportunities; take measured risks</p> <p>Ethical, informed citizens</p> <p>Healthy, confident individuals who: face and overcome challenge; have the skills and knowledge to manage everyday life</p>					
<p>Knowledge focus/what matters:</p> <p>Time: <i>Geometry focuses on relationships involving shape, space and position, and measurement focuses on quantifying phenomena in the physical world.</i></p> <p>Place value and number lines: <i>The number system is used to represent and compare relationships between numbers and quantities.</i></p>					
Learning objective/key question	What will I know and be able to do? I can...	How will I develop my skills? (Success Criteria)		Homework/Gwaith cartref to support progress	
Weeks 1-3: Understanding time	<ul style="list-style-type: none"> Tell the time using analogue and digital clocks Tell the time in both 12-hour & 24-hour time and convert between the two Carry out calculations involving time Convert between units of time Interpret and use mathematical information presented in written or visual form, including infographics, schedules, timetables, calendars and charts Create plans and schedules 	<p>I have an understanding of time, that I can fluently use in everyday life.</p> <p>I recall, communicate with and convert between different formats and units of time.</p> <p>I apply my knowledge and understanding of time to solve multi-step problems.</p> <p>I can explain and justify my solutions when I have support.</p> <p>I assess my performance and am starting to correct my mistakes.</p>		Wk 2	Mathswatch homework Set: 12/9/25 Due: 19/9/25
		<p>I understand and correctly use terminology related to time.</p> <p>I can read and comprehend problems involving time, that are presented in written formats.</p>		Wk 3	Mathswatch homework Set: 19/9/25 Due: 26/9/25
		I understand place value and its importance.		Wk 4	Mathswatch homework



<p>Weeks 4 – 6: The importance of place value</p>	<ul style="list-style-type: none"> • Read and write whole numbers of any magnitude expressed in figures or words • Understand place value of whole numbers and those written in decimal form • Multiply and divide by powers of 10 • Convert ordinary numbers into and out of standard form. 	<p>I can apply my knowledge and understanding of place value to solve problems.</p> <p>I can explain and justify my solutions when I have support.</p> <p>I assess my performance and am starting to correct my mistakes.</p> <p>I understand and correctly use vocabulary related to place value.</p> <p>I can read and comprehend problems involving place value, that are presented in numerical or written formats.</p> <p>I can communicate using numbers and basic mathematical symbols.</p> <p>I have started to make links between place value and my prior knowledge & understanding.</p>	<p>Wk 5</p> <p>Wk 6</p>	<p>Set: 26/9/25 Due: 3/10/25</p> <p>Mathswatch homework Set: 3/10/25 Due: 10/10/25</p> <p>Mathswatch homework Set: 10/10/25 Due: 17/10/25</p>
<p>Week 7: Assessment week Consolidate, apply and evaluate understanding of time and place value</p>	<p>Apply knowledge of place value and time to demonstrate:</p> <ul style="list-style-type: none"> • conceptual understanding • mathematical communication skills • mathematical fluency • logical reasoning skills • strategic competence 	<p>I can fluently demonstrate my understanding of time and place value.</p> <p>I can recall and make use of different formats and units of time.</p> <p>I can apply my knowledge and understanding of time and place value to solve multi-step problems in different contexts.</p> <p>I can explain and justify my solutions independently.</p> <p>I can correctly use terminology related to time and place value.</p> <p>I can communicate effectively using numbers and mathematical symbols.</p>	<p>Wk 7</p>	<p>Mathswatch homework Set: 17/10/25 Due: 24/10/25</p>
<p>Week 8: Using scales and number lines (continues in LP2)</p>	<ul style="list-style-type: none"> • Estimate values on a number line • Work out the numbers in the interval on a number line, where the numbers are all integers (e.g. finding the missing numbers if a number line goes from 0 to 100 with 5 spaces) • Working out the numbers in an interval on a number line, where the numbers are all decimals (e.g. finding the missing numbers if a number line goes from 0 to 2 with 5 spaces) 	<p>I understand how numbers relate to each other based on their magnitude (size) and how they can be displayed on a number line.</p> <p>I am able to recall and define mathematical facts and properties relating to number size and position.</p> <p>I can clearly state, describe and explain what I know and offer justifications for my answers.</p> <p>I understand and use mathematical key words and terminology.</p> <p>I can read, comprehend and solve problems presented in written and diagrammatical formats.</p> <p>I can communicate using numbers and basic mathematical symbols.</p> <p>I have started to make links between number lines and my prior knowledge & understanding of place value.</p>	<p>Wk 8</p>	<p>Mathswatch homework Set: 24/10/25 Due: 7/11/25</p>