



Learning Plan 2		Subject/Pwnc: Mathemateg	Year/Blwyddyn: 10 (A)	
<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>Circle theorems, transformations: <i>Geometry focuses on relationships involving shape, space and position, and measurement focuses on quantifying phenomena in the physical world.</i></p> <p>Probability: <i>Statistics represent data, probability models chance, and both support informed inferences and decisions.</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 1-2: Solving problems using circle theorems	<ul style="list-style-type: none"> Recall the 8 circle theorems Apply my knowledge of circle theorems, circles and angles to solve geometry problems Construct geometric proofs using angle properties and facts, including circle theorems 	<p>I can explore different ways to solve problems.</p> <p>I can use maths to model, predict, and explain unfamiliar situations.</p> <p>I can support others by explaining ideas in different ways.</p> <p>I can adapt and combine methods to solve unfamiliar problems quickly and reliably. I can link ideas from different topics to solve complex problems independently.</p> <p>I can explain why my solution works in a clear and structured way.</p> <p>I can construct proofs or structured chains of reasoning and evaluate alternative arguments.</p> <p>I can critique others' arguments and refine my own reasoning.</p>	<p>Wk 1</p> <p>Wk 2</p>	<p>Mathswatch homework</p> <p>Set: 3/11/25 Due: 10/11/25</p> <p>Set: 10/11/25 Due: 17/11/25</p>

