

Learning Plan 4

YEAR: 11 SUBJECT: Maths (11Ma2/11Ma3)
BLWYDDYN: 11 PWNC: Mathemateg (11Ma2/11Ma3)

Knowledge focus: trigonometry, exam preparation



Skills, knowledge and understanding to be developed in this Learning Plan:

- Calculate missing lengths, angles or areas in triangles
- Apply mathematical knowledge and understanding to exam style questions
- Develop effective exam techniques

Key terms to be learned in this LP:

Hypotenuse, cosine, sine, tangent, dimension, evaluate, hence, solve, in terms of

Week/Wythnos 1 Learning Intentions:

Mock exam review and feedback

L.I. assessments:

Be able to:

Recall and use knowledge of mathematical content (AO1) Select and apply mathematical methods (AO2)

Interpret and analyse problems and generate strategies to solve them (AO3)

Homework/Gwaith cartref:

Mathswatch

Set: 23/2/26

Due: 2/3/26



Week/Wythnos 2 Learning Intentions:

- Recall and apply the general formula to calculate the area of triangles
- Recall and apply Pythagoras' Theorem to calculate the hypotenuse of a right-angled triangle
- Recall and apply Pythagoras' Theorem to calculate a shorter side in a right-angled triangle
- Recall and apply trigonometric ratios to calculate missing sides or angles in a right-angled triangle
- Use area, perimeter, Pythagoras' Theorem and/or trigonometry to solve problems in context (Numeracy)

L.I. assessments:

Be able to:

Accurately calculate the area of a triangle

Recall and use Pythagoras' Theorem

Recall and use trigonometric ratios

Solve triangle problems in context

Homework/Gwaith cartref:

Mathswatch

Set: 2/3/26

Due: 9/3/26



Week/Wythnos 3 Learning Intentions:

Numeracy Unit 2 – Nov 2025

- Independently attempt the first half of the Unit 2 Numeracy paper
- Identify areas for improvement

L.I. assessments:

Be able to:

Recall and use knowledge of mathematical content

Homework/Gwaith cartref:

Mathswatch

Set: 9/3/26



<ul style="list-style-type: none"> • Read and respond to whole-class feedback on Numeracy Unit 2 • Topic specific focus informed by areas requiring improvement in Numeracy Unit 2 	<p>(AO1)Select and apply mathematical methods (AO2)</p> <p>Interpret and analyse problems and generate strategies to solve them (AO3)</p>	<p>Due: 16/3/26</p>
<p>Week/Wythnos 4 Learning Intentions:</p>		
<p>Maths Unit 2 – Nov 2025</p> <ul style="list-style-type: none"> • Independently attempt the first half of the Unit 2 Maths paper • Identify areas for improvement • Read and respond to whole-class feedback on Maths Unit 2 • Topic specific focus informed by areas requiring improvement in Maths Unit 2 	<p>L.I. assessments:</p> <p>Be able to:</p> <p>Recall and use knowledge of mathematical content (AO1)Select and apply mathematical methods (AO2)</p> <p>Interpret and analyse problems and generate strategies to solve them (AO3)</p>	<p>Homework/Gwaith cartref:</p> <p>Mathswatch</p> <p>Set: 16/3/26</p> <p>Due: 23/3/26</p>
<p>Week/Wythnos 5 Learning Intentions:</p>		
<p>Numeracy Unit 1 – Nov 2025</p> <ul style="list-style-type: none"> • Independently attempt the first half of the Unit 1 Numeracy paper • Identify areas for improvement • Read and respond to bespoke, individual feedback on Numeracy Unit 1 • Topic specific focus informed by areas requiring improvement in Numeracy Unit 1 	<p>L.I. assessments:</p> <p>Be able to:</p> <p>Recall and use knowledge of mathematical content (AO1)Select and apply mathematical methods (AO2)</p> <p>Interpret and analyse problems and generate strategies to solve them (AO3)</p>	<p>Homework/Gwaith cartref:</p> <p>Mathswatch</p> <p>Set: 23/3/26</p> <p>Due: 14/4/26</p>