

# Mathematics A (4XMAH)

## 2-year course planner Higher Tier



This 2-year course planner is an example of one possible model to teach each of the units within the **International GCSE Mathematics (Specification A) (modular) Higher Tier** qualification.

The course planner summarises what can be covered in each term to enable completion of the content and preparation for assessment at the end of each year. It assumes that each year is split into 3 terms.

We strongly advise that Units 1 and 2 are sat in order for first entry of the units and resits can be sat in any order.

This is only a suggested course planner with suggested timings, and it does not need to be followed.

# International GCSE (modular)

Year	Term	Unit/Topic	Notes	GLH*
1	1	<b>Unit 1: Higher Tier</b>	<ul style="list-style-type: none"><li>• Decimals</li><li>• Fractions and percentages</li><li>• Ratio and proportion 1</li><li>• Surds and powers</li><li>• Degree of accuracy</li><li>• Set language, notation and Venn diagrams</li><li>• Algebraic manipulation</li><li>• Linear equations</li><li>• Linear graphs</li><li>• Quadratic equations, inequalities and graphs</li></ul>	35
1	2	<b>Unit 1: Higher Tier</b>	<ul style="list-style-type: none"><li>• Compound measures</li><li>• Geometry of shapes 1</li><li>• Perimeter, area and volume 1</li><li>• Pythagoras' theorem and trigonometry</li><li>• Advanced trigonometry</li><li>• Graphical representation of data 1</li><li>• Probability</li></ul>	35



# International GCSE (modular)

Year	Term	Unit/Topic	Notes	GLH*
1	1 <sup>st</sup> half of Term 3	<b>Revision of Unit 1: Higher Tier</b>	<ul style="list-style-type: none"><li>• Revision of topics and practice of examination questions</li></ul>	10
1	2 <sup>nd</sup> half of Term 3	<b>Unit 2: Higher Tier</b>	<ul style="list-style-type: none"><li>• Special numbers</li><li>• Percentages</li><li>• Ratio and proportion 2</li><li>• Indices and standard form</li><li>• Proof</li><li>• Expressions, formulae and rearranging formulae</li></ul>	20
2	1	<b>Unit 2: Higher Tier</b>	<ul style="list-style-type: none"><li>• Inequalities</li><li>• Sequences</li><li>• Graphs of inequalities</li><li>• Harder graphs and transformation of graphs</li><li>• Simultaneous equations</li><li>• Function notation</li><li>• Calculus</li><li>• Geometry of shapes 2</li></ul>	35
2	2	<b>Unit 2: Higher Tier</b>	<ul style="list-style-type: none"><li>• Constructions and bearings</li><li>• Perimeter, area and volume 2</li><li>• Transformations</li><li>• Circle properties</li><li>• Similar shapes</li><li>• Vectors</li><li>• Graphical representation of data 2</li><li>• Statistical measures</li></ul>	35
2	3	<b>Revision of Unit 2: Higher Tier</b>	<ul style="list-style-type: none"><li>• Revision of topics and practice of examination questions</li></ul>	10

\*GLH = Guided Learning Hours