

# Preparation for Maths GCSE

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#### Exam board: Edexcel 1MA1

GCSE Maths is studied either at Higher or Foundation level

Both tiers of entry consist of 3 papers:

Paper 1 - Non-calculator

Paper 2 - Calculator

Paper 3 – Calculator

All 3 papers are 90 minutes long and carry equal weighting (80 marks each, total of 240 marks)

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Tier	Topic area	Weighting	tou !
Foundation	Number	22 - 28%	Heaviest weighting  Heaviest weighting
	Algebra	17 - 23%	
	Ratio, Proportion and Rates of change	22 - 28%	
	Geometry and Measures	12 - 18%	
	Statistics & Probability	12 - 18%	
Higher	Number	12 - 18%	
	Algebra	27 - 33%	
	Ratio, Proportion and Rates of change	17 - 23%	
	Geometry and Measures	17 - 23%	
	Statistics & Probability	12 - 18%	

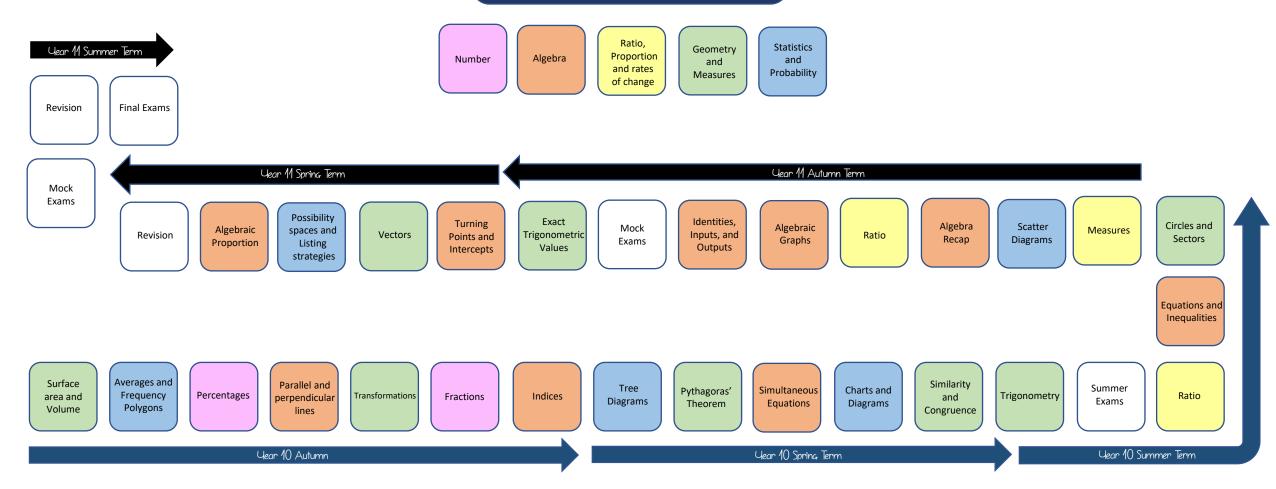
# Current structure of Year 10 groups: Set 0 – Aiming for 7, 8, 9 **Higher Tier** Set 1 – Aiming for 6, 7 Set 2 – Aiming for 4 + **Foundation Tier** Setting structure is not set in stone and tier of entry is not decided until Year 11.

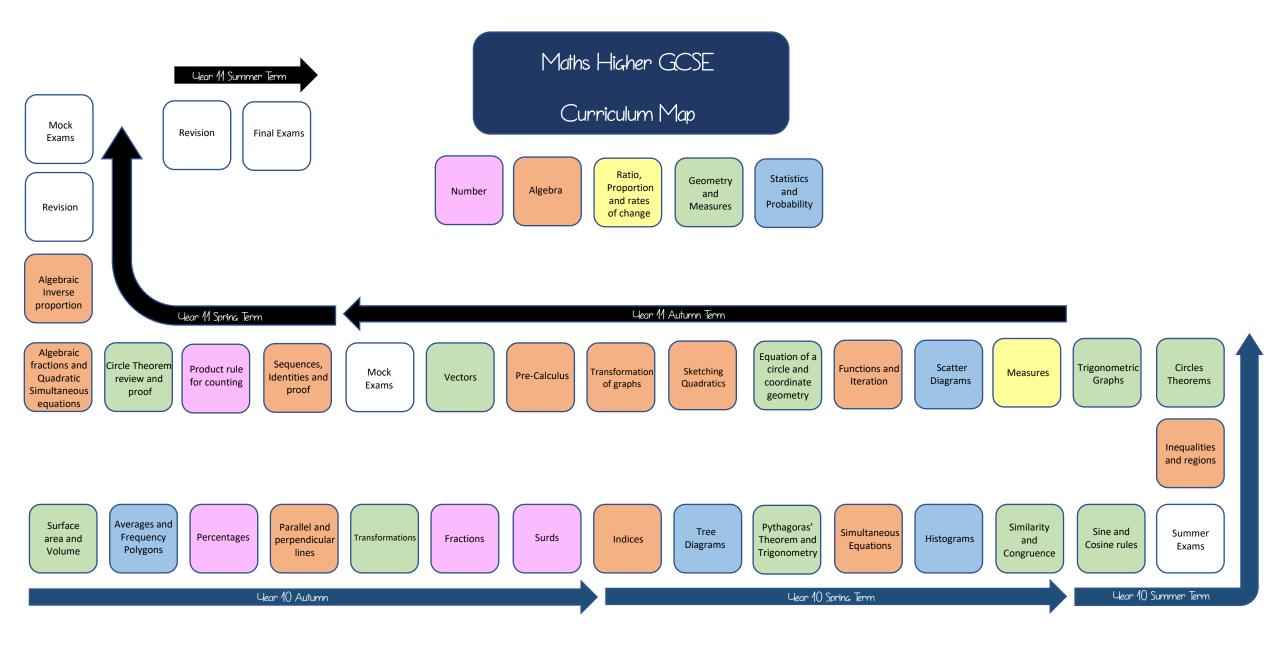
# Course content:

- Topics in KS3 form the building blocks of GCSE and it can be worth pupils revisiting this content.
- GCSE content is generally completed by the end of Spring Term in Year 11.
- Lessons after this time concentrate on consolidation and exam technique.

#### Maths Foundation GCSE

#### Curriculum Map





Learning intentions	Sparx References	Ð
Review of area of 2d Shapes	U970, U424, U945, U575, U265, U950	fac
Review of nets of 3d shapes	U761	Ţ.
Finding surface area of a cuboid	U929	u ga
Finding surface area of prisms	U295	21
Finding the surface area of cylinders	U464	01 A
Finding the surface area of spheres and cones	U523, U893	Ŧ.
Finding the surface area of a pyramid	U871	01
Finding the surface area of composite shapes		<b>.</b> .

- Pupils are provided with learning intention slips at the beginning of each unit.
- These are also posted on Teams pages.
- Pupils can use these to review or supplement their work in lessons.
- If a pupil misses a lesson, they can use the Sparx references to catch up.
- The Teams pages have a student resource tab where the units for every year can be found.

#### Perimeter

Corbett Maths link
Third Space Learning link

Area of a parallelogram

Corbett Maths link
Third Space Learning link

#### Area of a trapezium

Corbett Maths link
Third Space Learning link

Area of compound shapes

Corbett Maths link
Third Space Learning link

#### Area of 2D shapes

#### Area of a rectangle

Corbett Maths link
Third Space Learning link

Area of a triangle

Corbett Maths link
Third Space Learning link

#### **For Corbett Maths**

Click this button on the worksheet to watch the videos (if you are stuck).

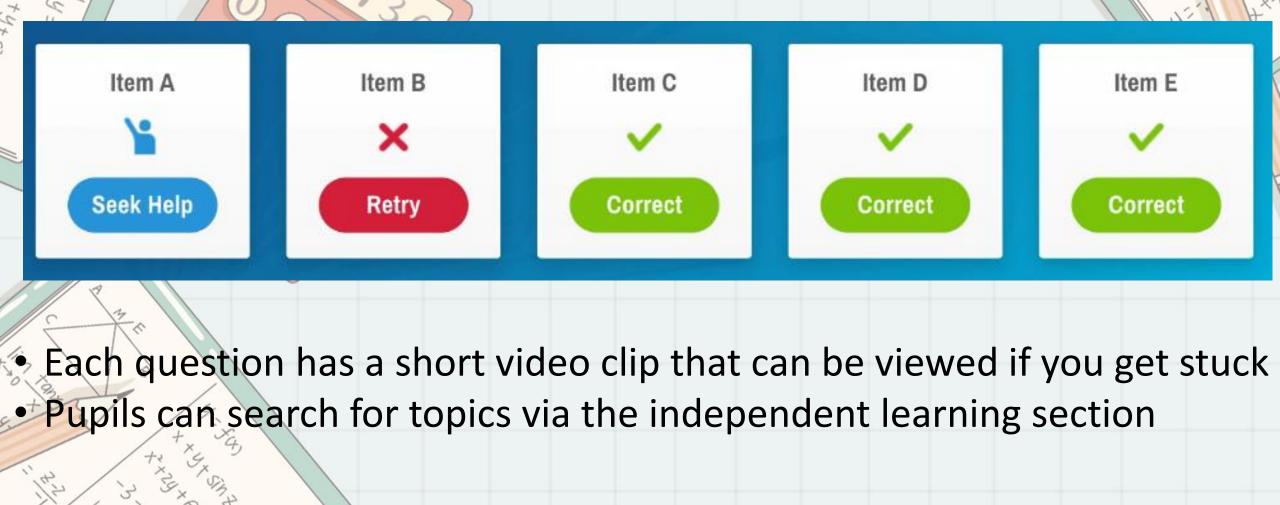
Once you have tried the questions. Scroll down to the bottom of the worksheet and click for ANSWERS.

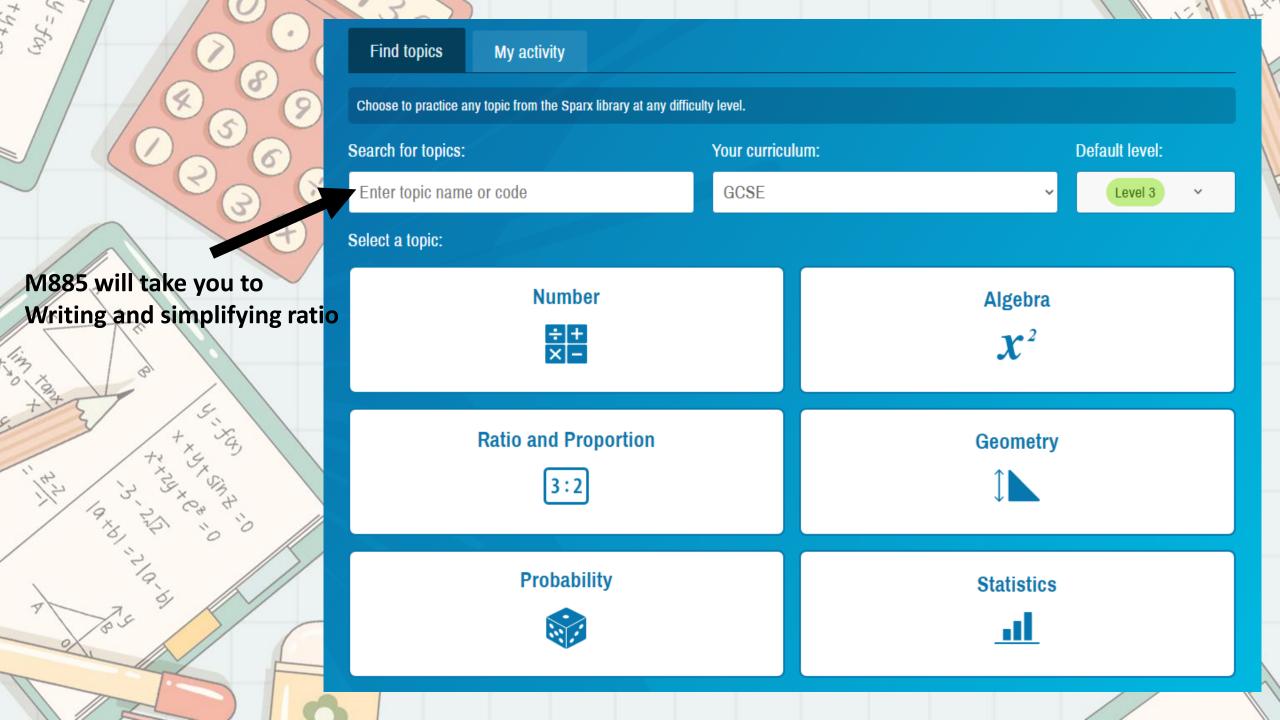


## Homework and Assessments:

- Homework is set on Teams
- Homework is a mixture of Sparx and written assignments
- Assessments take place throughout the year and inform set changes
- Pupils are given detailed feedback for each assessment.
- Videos for homework and assessments are available on Teams.

- Sparx is an online platform that is used for homework.
- It can be used for revision/review of topics.
- Sparx uses an algorithm to adapt to the user.
- Extra independent work can be completed on Sparx.





# Mock exams:

- Mock exams currently take place in Summer of year
   10, and then in November and March of year
- In Year 10 this consists of 2 papers, graded using the actual grade boundaries. In Year 11 a full set of 3 papers will be sat.
- Students get a question-by-question breakdown of their result.
- Students can access videos to see how each question should have been answered.

## Revision and support:

- It's never too early to revise.
- The best way to revise Maths is to do Maths.
- https://corbettmaths.com/5-a-day/gcse/
- Mathsgenie.co.uk
- https://www.1stclassmaths.com/edexcelrevision
- SPAs take place every week. The timetable is available on Teams.
- Specific Revision pages on Teams in Year 11.
- Past paper sessions in Year 11

### Looking ahead - A Levels:

- It is compulsory to study maths post-16 for anyone who does not achieve a standard pass.
- A grade 7 is required to study Further Maths.
- A grade 6 is required for Maths, Biology, Chemistry, Physics, and Computer Science.
- A grade 5 is required for Economics, Geography and Psychology.
- A grade 4 is required for Business, Design and Technology, and IT.

## What can parents do to support?

- Encourage your child to complete homework, ensuring they have time and space to do it.
- Check they have the correct equipment for lessons and

Assessments.

### Mathematics

You should have:

Pen Pencil
Ruler Rubber
Pair of Compasses Protractor
Scientific Calculator Green Pen

Whiteboard Pen

- Encourage them to attend SPAs if they need help.
- Maths workshop