

SDCC Mathematics GCSE retake

The GCSE retake course is a one-year revision course that allows students to retake their exam in June. It recaps the key mathematical concepts in the GCSE course to address misconceptions and then develops these to the harder topics in the foundation paper.

Course Information

The retake GCSE scheme of learning;

- Consolidates the learning from Key Stage 4
- Addresses any misconceptions that pupils have
- Develops reasoning, problem solving, procedural fluency, and conceptual understanding

Regular past paper practise will take place throughout the year.

Mocks will take place in November and February

What will we be learning?

The following topics will be assessed at exam time and need to be revised.

The class teacher will assess the areas that students need to improve in and focus on these.

Percentages	Ratio and compound measures
Indices and roots	Proportion
Algebraic manipulation	Simultaneous equations
Straight-line graphs	Pythagoras' theorem
Angle facts	Statistical graphs and measures
Accuracy	Transformations of shapes and vectors
Circles	Bivariate data
Equations and inequalities	Sampling
Probability	Probability of combined events
Sequences	Volume and surface area
Constructions	Trigonometry
Quadratics	Further graphs
Quadratic graphs	Mathematical arguments

How will we be learning?

As well as making sure all of the above is covered in a classroom setting, we will reflect on individual areas of strength and areas to develop by looking back at performance in the recent GCSE examinations and then help the students to make personalised study plans. We endeavour to develop the intellectual maturity of our students to enable them to take risks and overcome the challenges that they encounter. Home learning is set weekly to consolidate and extend the learning in class. Students must also consolidate their learning by writing up their notes, completing class work and practising exam technique.

Important Dates

November mocks; w/c 4 th November and w/c 11 th November	Examination dates;
February mocks; w/c 10 th February and w/c 24 th February	GCSE Paper 1 (non-calculator) – 19 th May 2020
	GCSE Paper 2 (calculator) – 4 th June 2020
	GCSE Paper 3 (calculator) – 8 th June 2020

Try this at home

- **WORKBOOK** / **REVISION GUIDE** : Buy the Foundation Tier revision guide and workbook from the library. Use this to review your learning or get additional help on a topic. The Progression ladders on Moodle show you which pages match each topic.
- **MathsWatch** : Use this to review your learning or get additional help on a topic. The Progression ladders on Moodle show you which clip matches each topic.
- **MyMaths** : Use the "GCSE booster 3 and 4", and "GCSE booster 4 and 5" packs to boost your maths skills.
- **Pinpoint** : Use this to review how you did in your mocks and to identify the areas to work on. You will also have Pinpoint booklets with targeted questions on these topics.
- **Practise basic skills** regularly. It's important that you know your times tables from 1 to 12, your square numbers, angle facts and a whole lot more.
- **Make notes, posters and prompt cards.** Anything that helps you to remember!