

# Preparing for your Year 10 mathematics examination this summer

## How should I revise maths?

### To get started:

- Find a quiet place to study without distractions
- Get a pen and paper handy to begin and go through your checklist to decide which topics you need to focus on first

### Then: **PRACTICE ANSWERING QUESTIONS AS MUCH AS YOU CAN**

- Remind yourself of the key learning points and check you understand the worked examples in your exercise book
- Work through examples from your text book and use MyMaths to help you understand the material
- Test yourself after you have completed a topic, using the online homeworks and revision exercises in the text book
- Complete all of the Revision Booklets of targeted questions provided by your teacher, mark your answers and seek help if you do not understand.

By practising questions you will become more familiar with the material and the style of questions. It will help you feel well prepared and confident ready for the examination.

## What should I revise?

- This year, the Year 10 exam will consist of **one Calculator and one Non-Calculator paper**.
- They will both cover **any** the topics listed on page 2 of this document.
- The exams are GCSE style so will also contain topics from years 7 to 9. So if you know any areas that are a weakness (fractions, decimals, algebra...) you should also do some extra work on these.

## What resources should I use?

- [www.mymaths.co.uk](http://www.mymaths.co.uk) username and password: available from your Maths teacher
  - Use the lessons to revise specific topics
  - Use the online homeworks to check your understanding
- Your homework book or online text book to provide plenty of examples to work through
- Your exercise book will include key learning points and worked examples
- Revision booklets provided by your teacher in the 2 weeks before the exam week.
- Revision guides and work books for GCSE 9 – 1
- Attend maths club on Thursday lunchtime at 12 noon in BG5

## What should I do if I need more help with specific topics?

- Work through the material on MyMaths to improve your understanding
- Look at worked examples in your book to remind you how to solve the problems
- Come to maths club on Thursday lunchtime for extra help
- Ask your teacher for help

## Year 10 Maths Revision Topics for End of Year Exam

Topic	Unit in book	Happy? Need more work?
<b>Unit 1</b>		
Recurring Decimals	1	
Direct and Inverse Proportion: linear and non-linear	1	
Straight line graphs: $y = mx + c$ , parallel and perpendicular lines	1	
Drawing graphs by completing a table of values	1	
Circle Theorems	1	
Intersecting chords and tangents	1	
Set Theory – Venn diagrams and notation	1	
<b>Unit 2A</b>		
Indices	2	
Sequences – linear, quadratic, geometric	2	
Factorising quadratic expressions	2	
Solving quadratic equations by factorising using the formula by completing the square	2	
Solving quadratic inequalities	2	
Solving problems that result in a quadratic equation	2	
<b>Unit 2B</b>		
Circle area and circumference	2	
Area and perimeter of compound shapes	2	
Surface Area and Volume - Cuboids, Prisms, Cones, Pyramids	2	
Arcs and Sectors of circles	2	
Similar shapes - Length, Area and Volume	2	
Congruent triangles - SSS, SAS, ASA, RHS proofs	2	
Probability o Calculating probability o Probability trees o Venn diagrams o Conditional Probability	2	
<b>Unit 3</b>		
Percentages	3	
Solving simultaneous equations – linear and non-linear	3	