RAINFORD HIGH
PART OF RAINFORD ACADEMIES TRUST

Mathematics- Exam Board: AQA/OCR

Subject Overview (coursework/exam split, timings, weightings etc.):

Maths is for everyone. It is diverse, engaging and essential in equipping students with the right skills to reach their future destination, whatever that may be. The qualification enables students to engage with, explore, enjoy and succeed in Maths.

Students will sit 3 papers in June of the summer term based on content covered so far. Information on content being tested will be released nearer the time.

As a general summary for the summer term tests:

- 100% Examination
- Three equally weighted papers, one non calculator and two calculator
- Two tiers of entry – Higher Tier grades 4 – 9 (3 allowed) and Foundation Tier grades 1 - 5
- Each paper will be out of 80 marks
- Each exam will last 1 hour 30 minutes

Students who fail to reach the minimum standard for grade 1 on Foundation tier will be recorded as U (unclassified) and will not receive a qualification certificate.

Students who fail to reach the minimum standard for grade 3 on Higher tier will be recorded as U (unclassified) and will not receive a qualification certificate.

Key Topics:

1 Number
2 Algebra
3 Ratio, proportion and rates of change
4 Geometry and measures
5 Probability
6 Statistics

Students follow:
AQA GCSE Mathematics course (8300) at Higher tier.
OCR GCSE Mathematics (J560) course at the Foundation tier. (selected groups)

Useful websites:
Exam boards: AQA GCSE Mathematics course (8300) at Higher tiers:
www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300/specification-at-a-glance
OCR GCSE Mathematics (J560) course at the Foundation tier.
www.ocr.org.uk/qualifications/gcsemathematics-j560-from-2015/

Google Classroom
Useful revision resources and websites are shared with students through Google Classroom

Dr Frost Maths

RAINFORD HIGH
PART OF RAINFORD ACADEMIES TRUST

All students are given a login to use the revision website www.drfrostmaths.com

Useful resources:

- Past exam papers, practice and specimen papers (see Google Classroom)
- Dr Frost Maths
- Mathsgenie.co.uk
- Corbettmaths.co.uk
- MathsBot

Useful revision tips and specific revision and preparation guidance:

1. **Before revising, get all your notes together and draw up a list of all the topics you need to cover.** You will definitely cover all of the topics if you draw up this list. Use the topic list on the school's GCSE mathematics Connect pages for this. Get all of your mathematics exercise books together as well as the school's past paper question booklet which is available to buy (from January) and download.
2. **Don't just practice the topics you can do.** Doing lots of questions can often help when revising for maths. If you are really good at percentages, for example, it is very tempting to keep doing lots of percentages questions. Although it can painful, make sure you spend time completing questions from any weaker topic areas. Look at the mark schemes to see how the answer has been worked out.
3. **Practice doing questions under exam conditions.** One of the best ways of getting ready is completing exam papers. Download a past exam paper and complete this in silence under exam conditions which means no help! This will get you used to what it will be like in the exam, how fast you need to go, and is the best way of checking that you really understand a topic. The more you do the better. Make sure you work out the grade achieved by referring to the relevant grade boundaries on the Connect page.
4. **Practice using your calculator!** All calculators work differently, and unless you have used yours for lots of different types of questions (trig, Pythagoras, negative numbers, indices), you might come unstuck in the exam. Find out if there are any problems early enough to correct them and speak to your teacher if unsure.
5. **Make sure you ask for help.** At the earliest opportunity seek help from your maths teacher making sure you have specific questions to ask them (e.g. particular ones from an exam paper or the past paper question booklet). Don't leave this to just before the examination.
6. **Use the beauty of algebra.** A lot of people hate algebra, but in exams it is brilliant because you can easily tell whether you have got the question right or wrong. If you are solving an equation, just substitute the answer back into the question and see if it makes sense.