

Year 11__Mathematics_____
Exam Board__AQA__

Structure of the course:

Students in these classes are taking mathematics as a linear course. The assessment is 100% exam based taken in 3 papers of 1 hour 30 minutes each.

Paper 1 - Non calculator exam

Paper 2 - Calculator exam

Paper 3 - Calculator exam

What we are currently covering?

At foundation level the linear course includes fractions, decimals, percentages, ratio and general number work. It also includes algebra topics such as simplifying & manipulating expressions, forming and solving equations, drawing & interpreting graphs. The shape topics covered are calculating & using angles and bearings, calculating area and volume, identifying and drawing transformations and using Pythagoras' theorem. Statistics topics such as pie charts, averages and probability will also be assessed in the final exam. Several of these topics were taught during year 10 and will be revised in class. **The new content that will be assessed at foundation level is standard form, compound interest, reverse percentages, solving quadratic equations, solving simultaneous equations, trigonometry, vectors and tree diagrams.**

At higher level the exam includes many of the topics covered at foundation level but in greater depth. It also assesses pupils ability at solving non-linear simultaneous equations, using circle theorems, using direct and inverse proportion, identifying and using similarity & congruence and trigonometry in non-right angled triangles, **The new content that will be assessed at higher level includes expanding more than 2 binomials, turning points, gradient of curves and area under graphs, finding the nth term of quadratic sequences, conditional probability.** We aim to complete the course by Easter 2017. All mathematics topics will be revised in lessons during the build up to the exam.

Home study Plan

Homestudy is set every 2 weeks by the class teacher and will reflect what is being covered in class.

Useful websites and books to help with revision

Websites:

www.mymaths.co.uk
username: LPA
password: square

www.bbc.co.uk/schools/gcsebitesize/
Good for general revision

www.corbettmaths.com
Contains "5 a day" maths practice for every day of the year. It also has lots of practice questions for all of the topics and videos explaining the key points.

The school offers revision lessons after school on Wednesday Session 6 and in some school holidays in the build up to the exams. We strongly recommend that your child attends these sessions.

REVISION GUIDES

CGP New GCSE revision guides and workbooks. These can be purchased from the school at a cost of £6 per pack. Please use Parent Pay to make the purchase.

Exam/Important Dates (if applicable)

There is no coursework requirement for this course. The exams will take place during May/June 2017. Students will gain a grade of 9-1 rather than A*-G in this subject.

All students are expected to bring a calculator and mathematical equipment to the exam and to all lessons.