

Mathematics Curriculum Guide

Year 11

What will my son learn?

Autumn term

- Your son will start the year looking at counting, accuracy, powers and surds, Quadratic equations. He will also develop his understanding of Sampling techniques and more complex probability diagrams. The more able boys will look at Combined events in probability.

Spring Term

- After the winter break your son will study properties of circles, variation, triangles, angles, shape facts and graphs. Depending on his set he will also study algebraic fractions and functions and vector geometry. Complete his *GCSE Statistics coursework and exam preparation.

Summer Term

- In the summer your son will look at recapping areas of weakness based on the work he will have done over the 2 year period.
- Prepare for his GCSE exams and *GCSE Statistics exams

How will my son be assessed?

- At the beginning of the year he will have a Mock test done in order to inform us of any areas of weakness that may exist from end Year 10 and topics he may have forgotten.
- He will have a set of key skills assessed as part of online/ mock testing. These skills have been identified as crucial to the foundations of his mathematical understanding and he must have mastered all of them by the end of the year.
- He will continue to have end of unit tests at the end of each topic of learning. These are to inform both your son and his teacher about his individual understanding and grasp of the concepts he will have been learning.
- At the end of each half term he will have an assessment that looks at a variety of skills that he should have both from that particular half term but also more generally. This information will be inputted into an online database that will, over the course of your son's education, build up a detailed picture of what he is and is not able to do.

How can I support my son with Mathematics?

- Ensure that he is doing his homework regularly.
- Encourage him to seek help either from yourself, his teacher or online resources to address areas of weakness.
- Look at what skills he is lacking on Doodle and work with him on those skills using online Virtual learning platforms Mathswatch, Gcse Pod, Fronter and PIXL6.
- Make sure that he is properly equipped for every lesson.

