

# Mathematics Curriculum Guide

## Year 7

### What will my son learn?

#### Autumn term

- Your son will start the year looking at how to use charts and graphs. He will also develop their understanding of algebra and their numerical skills. The more able boys will look at fractions and decimals whilst the rest will study how to use graphs and co-ordinates.

#### Spring Term

- After the winter break your son will study angles, shape facts and working with decimals. Depending on his set he will also study properties of numbers, ratio and proportion and look at algebra further.

#### Summer Term

- In the summer your son will look at transformations of shapes. He will also look into describing the behaviour of sequences in a variety of different ways including graphically. There will also be some time dedicated to developing his problem solving ability and recapping areas of weakness based on the work he will have done over the year.

### How will my son be assessed?

- At the beginning of the year he will have a baseline test done in order to inform us of any areas of weakness that may exist from primary school.
- He will have a set of key skills assessed as part of online 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 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 and PIXL6.
- Try to involve him in areas where you use Mathematical reasoning and explain it to him.
- Make sure that he is properly equipped for every lesson.

