MATHEMATICS
Year 7 Curriculum

Your study of Maths at secondary school will continue from your Primary school Mathematics. You will now be expected to have a calculator and use it efficiently at times alongside being accurate at all the written methods of calculations. It is important that you think hard about the Maths that you are studying and make sure you really understand and that you are not just doing a technique that you have been told works!

This year you will explore the following **key** aspects of Maths:
- o Number: whole numbers, decimals, fractions, %, calculations, factors and multiples
- o Geometry & Measures: perimeter, area, angles, 2D and 3D shapes, constructions
- o Ratio & Proportion: the unitary method, simplifying ratios, dividing in a given ratio
- o Algebra: Expressions, formulae, equations, sequences, graphs
- o Statistics & Probability: Collecting, processing and representing data, probability

You will practise the following skills throughout the year:
- Having a go, even when unsure
- Logical thinking
- Processing
- Resilience

You will link your Maths to topics in Real Life using Case study starting points:
- Dairy Farm
- Labyrinth
- Recycling and Energy
- Probability Fair

Use the checklist below to ensure that your answers are successful:

1. Read the question again- have you answered everything?
2. Show clear working – work systematically
3. Check the units
4. Understand the keywords
5. Ask for help when needed
6. Identify the key points in the question
7. Is it a sensible answer?
8. Do you need a diagram?
9. Analyse and understand your mistakes
10. Have a go!

You get an account on MyMaths and some homeworks will be set on this.

Make sure your homework is completed on time and to the best of your ability.

If you are stuck, remember to read the information pages in your textbook and go through the Lessons on MyMaths.

You will have Maths tests spread throughout the year as well as the Summer Exam. For these, your teacher will tell you what to revise, support your revision and suggest best ways to learn your Maths.