

# Maths Department Curriculum Guide

## Year 7

### Curriculum

Autumn	Spring	Summer
<ul> <li>Place value, Integers and Calculations</li> <li>Sequences and functions</li> <li>Fractions, Decimals and Percentages</li> <li>Equations, Formulae and Identities</li> <li>Measures and Mensuration</li> <li>Geometrical reasoning, Lines and Angles</li> <li>Representing and Interpreting data</li> </ul>	<ul> <li>Integers, powers &amp; roots</li> <li>Sequences, functions and graphs</li> <li>Ratio and Proportion</li> <li>Expressions and Equations</li> <li>Place Value, Calculations,</li> <li>Measures</li> <li>Geometrical reasoning</li> <li>Parallel &amp; perpendicular lines</li> <li>Constructions &amp; loci</li> <li>Collecting &amp; organising data, Questionnaires</li> <li>Surveys</li> </ul>	<ul> <li>Place value and Calculations</li> <li>Factors, multiples &amp; primes</li> <li>Functions and Graphs</li> <li>Transformations</li> <li>Probability</li> </ul>

#### Assessment & Homework

Homework will be set by both Maths teachers on a fortnightly basis so that on average students will be set 1 assignment per week. Details of assignments will be set on Arbor and pupils will likely get some work to do on mymaths, which is a good resource that we subscribe to. Login details are reset and shared with pupils at the start of each academic year. At times there will be two tasks to do on mymaths but these can be very short and pupils should expect to spend roughly 30 minutes on the Maths homework they've be assigned.

Assessments are conducted half termly and details of topics and schedule are shared with pupils before the assessments. These generally last an hour, the duration of a lesson.

#### Resources

- Mymaths has a wonderful library of powerpoint lessons, which are accompanied by assessments.
- OneNote has tabs with the lessons teachers deliver, the scheme of work and knowledge organisers.

#### Extra and Super Curricular Opportunities

There are two lunchtime clubs that pupils can attend. These are the Rubik's and code breaking club as well as a Maths catch up club, where pupils can do some work or play maths games. Our top students are given an opportunity to take part in the Junior Maths challenge, which offers them a good level of stretch and challenge.