

## Year 7 Overview

By the end of year 7 all students will have been exposed to all fundamental number skills needed for future years.

A secure student will access the remainder of KS3 easily by furthering their skills in more abstract fields. A student who still needs support with these number skills will have further exposure to them in years 8 and 9 in the differing contexts.

| Half Term | Curriculum Plan                                                                                                                                                                                                |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1         | Place value and the number line - with possible extension into standard form                                                                                                                                   |
| 2         | Addition and Subtraction - with possible extension into binary.<br>Multiplication and Division - with possible extensions into area, volume and problem solving with money.                                    |
| 3         | Powers, roots and primes - with possible extension into further exponentiation.<br>Order of operations - with possible extension into function machines.                                                       |
| 4         | Directed number – with possible extension into contextual problems.<br>Fractions operations - with possible extension into binary fractions and real-world fractions.                                          |
| 5         | Fractions, decimals and percentages - starting to look at basic conversions and simple percentages of amounts - with possible extension into percentage increase and decrease, financial maths and pie charts. |
| 6         | Preparing for year 8<br>Introduction to algebraic thinking. Starting to think outside the box of our number knowledge to apply it to more abstract concepts.                                                   |

### Homework:

All homework is set on Sparx maths on a Monday to be submitted by a Sunday evening. Only focussing on KS2 knowledge or learning that has taken place in year 7.

Timetables practice included.

### Useful links:

[Sparx Maths Login](#)

[KS3 Maths - BBC Bitesize](#)

[OAK National Academy - Maths](#)

### Assessments:

At the end of each topic, students complete a post-diagnostic assessment in class. These short assessments help identify how well students have understood the key concepts and allow teachers to address any gaps.

There are two main formal assessment points during the year:

**AP1 w/c 19<sup>th</sup> January** – formal assessment covering all content taught up to that point

**AP2 w/c 22<sup>nd</sup> June** - formal assessment reviewing all topics covered throughout the year.