

Year 7 Overview

By the end of Year 7, students should have a foundational understanding of key scientific principles across biology, chemistry, and physics. They will develop skills in scientific enquiry, practical investigations, and begin to understand how science applies to the world around them.

Students will also begin to use scientific vocabulary accurately, interpret basic data, and understand the importance of fair testing and safety in science. This year lays the groundwork for deeper scientific thinking and curiosity

Half Term	Curriculum Plan
1	Welcome to science at OHA, Particle Model, Changing shape, Animal cells and cell project
2	The Atom, Astrophysics,
3	Change of state, The Breathing system, Types of reaction
4	Cycles, Human reproduction
5	Healthy Living, Skills and full science investigations,
6	Purity, The Space race, Skills and full science investigation

Homework:

All homework is set on Sparx Science on a Monday to be submitted by a Sunday evening. Focussing on all learning up to this point,

Useful links:

[Sparx Science Login](#)
[KS3 Science - BBC Bitesize](#)
[OAK National Academy - Science](#)

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 19th January – formal assessment covering all content taught up to that point

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

These formal assessments typically last 45–60 minutes

In addition to written assessments, students also complete practical investigations and skills-based tasks to support their development in scientific enquiry.