

Year 10 Overview

Year 10 marks the official start of the AQA GCSE Combined Science: Trilogy course, which leads to two GCSE qualifications. Students study Biology, Chemistry, and Physics in an integrated format, building on KS3 foundations and preparing for more advanced scientific understanding.

The year includes both theoretical content and required practical's, with a strong focus on applying knowledge, developing analytical skills, and preparing for GCSE-style assessments.

Half Term	Curriculum Plan
1	Digestion and respiration, Electricity and IV relationships, Types of bonding
2	Quantitative chemistry, Forces, velocity and acceleration,
3	Principles of waves, Human health, Carbon
4	Trends and patterns in reactivity, Homeostasis,
5	Energy and electricity, Atoms and nuclear radiation, Energy and reactions,
6	Transport in plants, Resources, Human Impact, Required practical

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 – Biology](#)

[OAK National Academy – Chemistry](#)

[OAK National Academy – Physics](#)

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.

Year 10 Mocks: Mocks take place in April of year 10. They are common assessments from the trust and include all the content for Paper 1 for both combined and triple science students.

Assessments follow GCSE format, lasting 60–75 minutes, and include extended response questions

Required practicals are integrated into lessons and assessed through exam questions