



# CURRICULUM PLAN

## SUBJECT

**SCIENCE Key Stage 3 and 4**

## OVERVIEW

Science is all about trying to understand why things happen the way they do and then applying new ideas learnt to solve problems. We aim to make Science lessons exciting and ambitious through the Key Stages, by engaging interest and challenging misconceptions to help our students to think scientifically and develop problem solving skills. Science experiments are fun! Learning will always be enhanced when it is engaging and memorable and our key aim is to build up the concepts in manageable steps which will open the curriculum up to all wherever this is possible.

The Science curriculum follows the National Curriculum, with the expectation that all students will be ultimately be entered for the AQA trilogy GCSE Double award at the end of year 11. To support our inclusion policy and determination that everyone will leave school with qualifications they can feel proud of, some students will be dual entered into the Certificate course as a revision aid / primary qualification. AQA units or ASDAN short courses are also being incorporated to enable all students to gain a Science qualification of which they can feel proud.

## KEY STAGE 3

Years 7 to 9 follow a full National Curriculum KS3 course, which is split into 18 modules, taught mostly in half termly time slots and also rotated between Biology, Chemistry and Physics. The emphasis within the KS3 modules is to build skills linked to both problem solving and also practical activities with their linked descriptions, thus helping students directly for the move into KS4 and the required practical activities

## KEY STAGE 4

KS4 GCSE / Entry Level topics are introduced in Y10, with the Biology, Chemistry and Physics content being taught on rotation in two to three week modules during KS4 leading towards the final examinations. The required practical activities are completed as they are met during the course and then these are revisited again as part of the examination revision period in Year 11. The students' progress through their two year GCSE course is tracked using an assessment framework linked directly to the specification, completed on Earwig. Joint planning time with a specialist teacher and TA ensure that different learning needs are met and students are supported to access the curriculum content at a level they feel comfortable with.