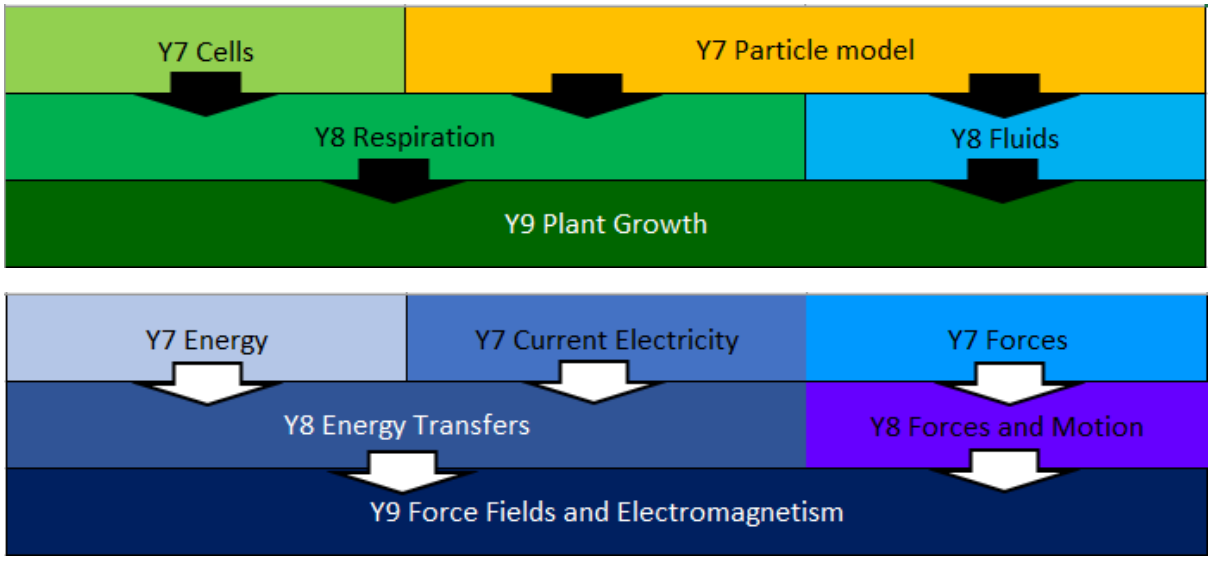
Wyedean
School and Sixth Form Centre
Aspire together, achieve together
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Key Stage 3

Key Stage 3 students follow the Pearson Exploring Science KS3 specification incorporating biology, chemistry and physics. The course features a wide variety of science topics, in order to provide a broad and secure foundational body of knowledge in the subject. Wherever possible, practical activities are used to illustrate or explore key concepts. There is also a focus on improving students' appreciation of how scientists work and how science and technology influences our lives. Each topic is assessed through a short test, followed by timely feedback to close identified gaps. Learning throughout KS3 recalls then builds upon prior knowledge to secure and improve students' understanding of 'the bigger picture'

For example:



Key Stage 4

Key Stage 4 students may opt to follow a Triple Science course, using one of their Y9 option choices. This choice is open to all, regardless of prior attainment or SEND. These students gain three separate GCSE qualifications in biology, chemistry, and physics. All other students follow the compulsory GCSE Science Double award to gain two grades in combined science. The Wyedean Science LA follows the AQA Triple Science and AQA Combined Trilogy specifications. Both triple science and combined science allow students to make progress to A-Level and BTEC Science studies (providing entrance grades are met). As with KS3, topics recall and recap foundational prior knowledge in order to build the bigger picture.

Every topic taught is assessed through a bespoke 45-mark assessment. Feedback is tailored to students' specific gaps following these assessments.

Key Stage 5

The three traditional A levels of biology, chemistry and physics are offered and are stringent academic subjects. These will allow progress to a multitude of scientific degree courses.

We also a BTEC National Level 3 AAQ in Applied Science which is also accepted in UCAS applications and can lead to the further study vocational science courses at university.

Study at Key Stage 5 follows the fundamental framework laid out in Key Stages 3 and 4 i.e. building on prior learning with a focus on linking it to expanded content; specifically unpacking key words; regular assessment with targeted timely feedback. There is a focus on building students' knowledge and skill base to prepare them for undergraduate study in the subject.

Extra-Curricular

Every student in year 9 takes part in the FameLab competition, promoting scientific literacy and the cross-curricular skills of oracy, literacy, and problem-solving. The finalists from Year 9 are accompanied to the Gloucestershire finals each year in Tewkesbury.

A variety of school trips take place through the year. Regular highlights include Years 7 and 10 visiting the University of Bath, and Year 8 visiting the Big Bang Festival in Birmingham.

The aim of our trips is provide students with the opportunity to meet scientists and hear about their work to foster an interest in science as a career. We aim to inspire all students to study science as a career regardless of their background.