

BIOLOGY LEARNING JOURNEY

Intent

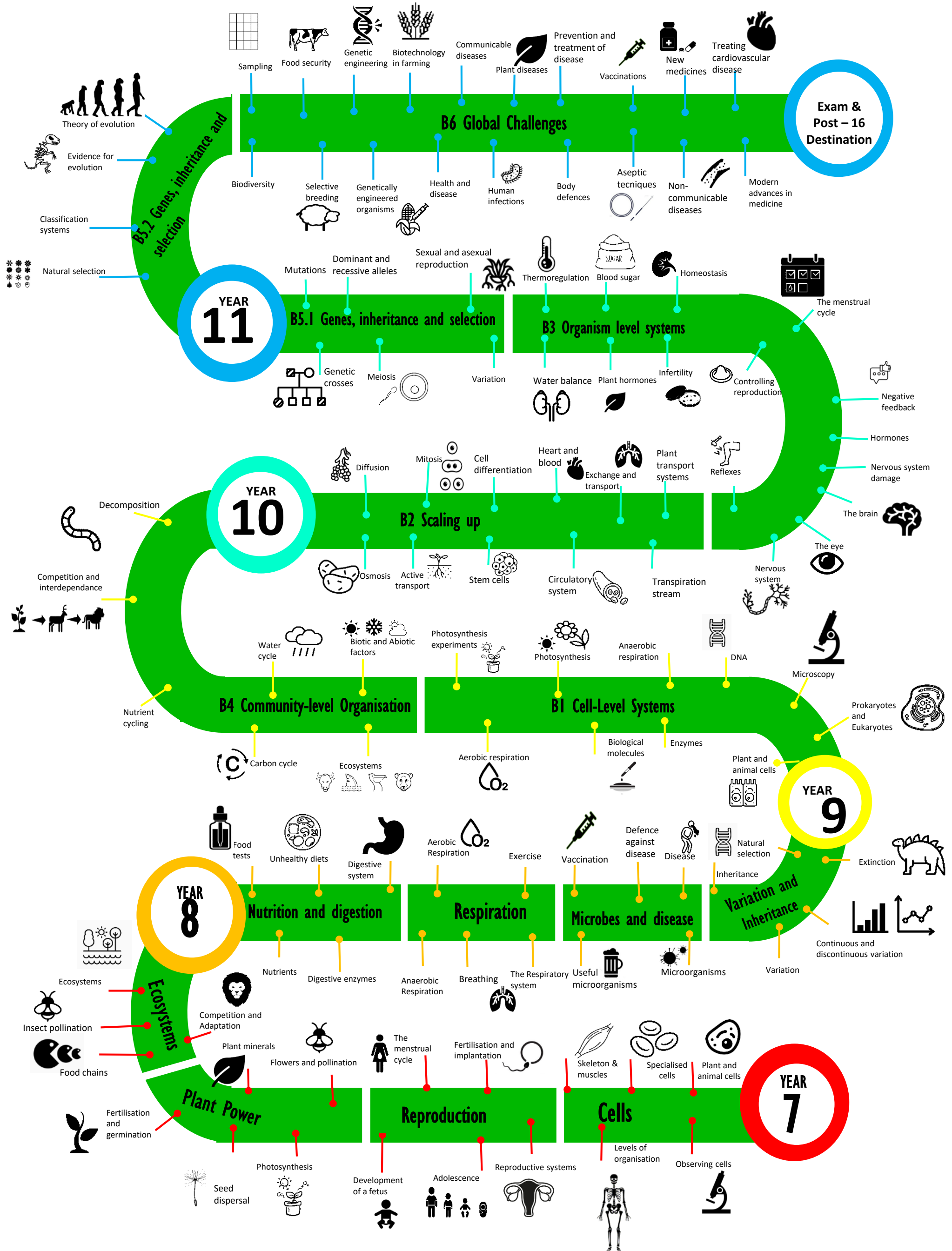
The intent of the Biology curriculum is to enable learners to become more scientifically responsible citizens, with the powerful knowledge to improve the life outcomes of all our learners. Students will be fully equipped with the essential knowledge to: be successful in their day to day lives, have the skills to evaluate information and process evidence following the methodology of science. Each pupil will leave with a deeper understanding of the world around them, the ability to question why, ask for truth and transparency in information, and our aim is to inspire all students for a love of learning, regardless of their chosen subjects.

Implementation

Students study biology topics as part of the Science curriculum in years 7 and 8. In year 9 work from Key Stage 3 on cells, plant power and ecosystems is reinforced with the first topics of the GCSE course. At GCSE the OCR Gateway Biology course is followed which gives students a good grounding in Biology and enables them to develop practical skills and progress to level 3 courses such as A level Biology. At A level the OCR A Biology course is followed, building upon the work of GCSE and extending it through the system of practical assessments.

Impact

Throughout the Biology curriculum, students are regularly assessed. They also have larger summative assessments, that follow the structure of the terminal examinations. We also monitor the students' successful completion of the Practical Assessment Groups. Following assessments students receive detailed formative feedback, which identifies the areas that they were successful in and provides targets for improvement. As a result, many successful students progress to University to study biology related subjects. All students, will have the opportunity and knowledge to thrive in modern day Britain, using the fundamental principles of Science to explore and evaluate contemporary scientific issues.





Learning Journey PHYSICS



Intent

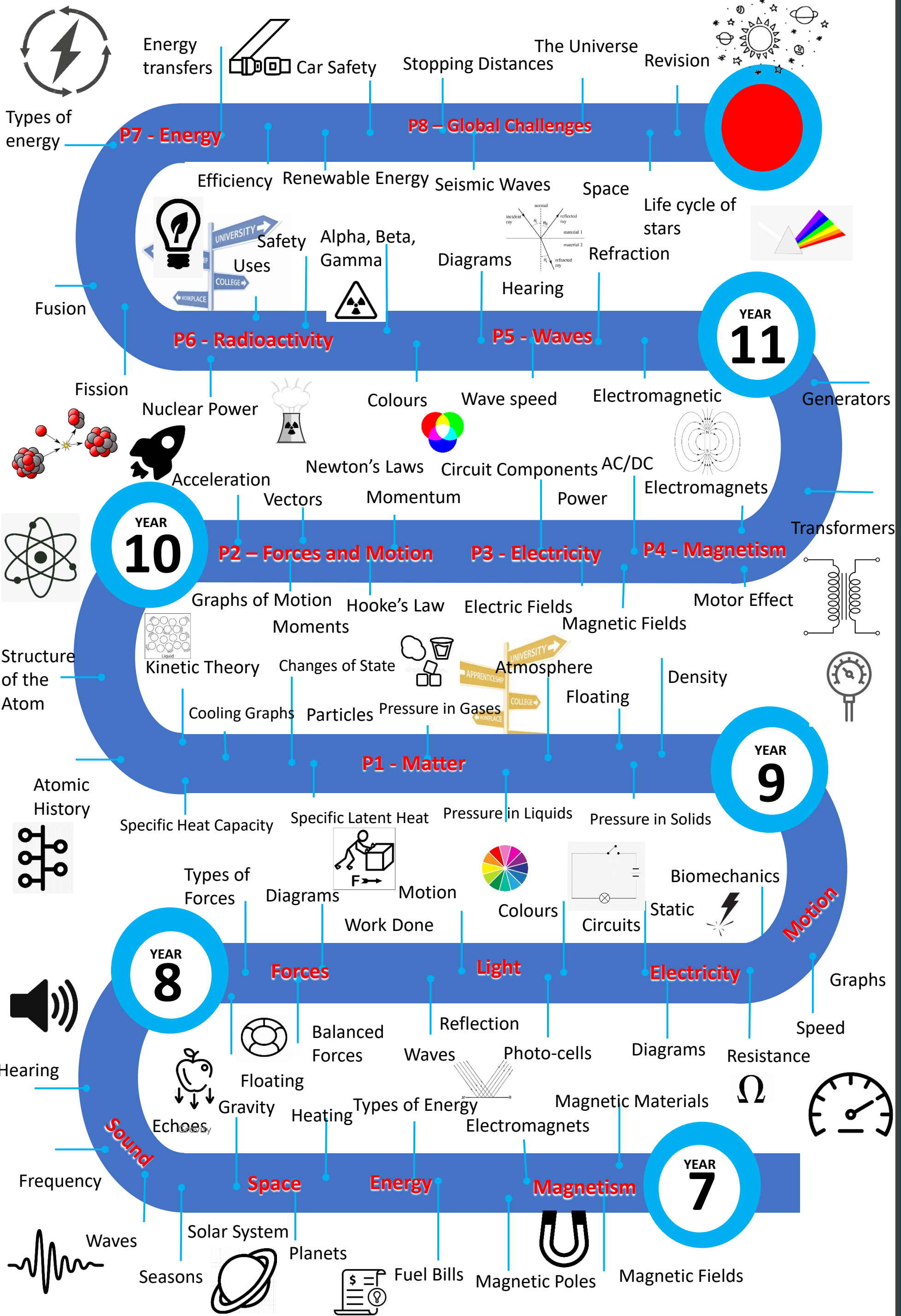
The intent of the Physics curriculum is to enable learners to become more scientifically responsible citizens, with the powerful knowledge to improve the life outcomes of all our learners. Students will be fully equipped with the essential knowledge to: be successful in their day to day lives, have the skills to evaluate information and process evidence following the methodology of science. Each pupil will leave with a deeper understanding of the world around them, the ability to question why, ask for truth and transparency in information, and our aim is to inspire all students for a love of learning, regardless of their chosen subjects.

Implementation

Students study Physics topics as part of the Science curriculum in years 7 and 8. At GCSE the OCR Gateway Physics course is followed which gives students a good grounding in Physics and enables them to develop practical skills and progress to level 3 courses such as A level Physics. At A level the AQA Physics course is followed, building upon the work of GCSE and extending it through the system of practical assessments.

Impact

Throughout the Physics curriculum, students are regularly assessed. They also have larger summative assessments, that follow the structure of the terminal examinations. We also monitor the students' successful completion of the Practical Assessment Groups. Following assessments students receive detailed formative feedback, which identifies the areas that they were successful in and provides targets for improvement. As a result, many successful students progress to University to study science related subjects. All students, will have the opportunity and knowledge to thrive in modern day Britain, using the fundamental principles of Science to explore and evaluate contemporary scientific issues.



Chemistry Learning Journey

Chemistry at S. Peter's Collegiate School has a strong emphasis on the applying of knowledge and skills to the real world. The applications and implications of what we learn permeate throughout the course content.

Intent

The intent of the Chemistry curriculum is to enable learners to become more scientifically responsible citizens, with the powerful knowledge to improve the life outcomes of all our learners. Students will be fully equipped with the essential knowledge to: be successful in their day to day lives, have the skills to evaluate information and process evidence following the methodology of science. Each pupil will leave with a deeper understanding of the world around them, the ability to question why, ask for truth and transparency in information, and our aim is to inspire all students for a love of learning, regardless of their chosen subjects.

Implementation

Students study chemistry topics as part of the Science curriculum in years 7 and 8. In year 9 work from Key Stage 3 on particles, elements, mixtures, compounds and separation is reinforced before progressing to the formal GCSE content after Easter. At GCSE the OCR Gateway Chemistry course is followed which gives students a good grounding in Chemistry and enables them to develop practical skills and progress to level 3 courses such as A level Chemistry. At A level the OCR A Chemistry course is followed, building upon the work of GCSE and extending it through the system of practical assessments

Impact

Throughout the Chemistry curriculum, students are regularly assessed. They also have larger summative assessments, that follow the structure of the terminal examinations. We also monitor the students' successful completion of the Practical Assessment Groups. Following assessments students receive detailed formative feedback, which identifies the areas that they were successful in and provides targets for improvement. As a result, many successful students progress to University to study chemistry related subjects. All students will have the opportunity and knowledge to thrive in modern day Britain, using the fundamental principles of Science to explore and evaluate contemporary scientific issues.

