

Edition 4
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SCIENCE

Curriculum Newsletter

YEAR 13

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Curriculum Intent

The Science curriculum is inclusive and ambitious for all students, designed to engage students and strengthen the memory of what is being learnt. The curriculum is organised into 12 Big Ideas that are developed through a series of key concepts organised into teaching topics which are revisited throughout the KS3, 4 and 5 programmes of study. We aim to spark a lifelong passion for science by cultivating a sense of wonder and awe about the natural world.

Our curriculum intends to foster a spirit of curiosity and inquiry, encouraging students to ask questions and seek answer and connect science to their everyday lives, demonstrating its relevance and importance. Throughout the science curriculum we aim to equip students with essential scientific skills, including observation, data collection, analysis, and critical thinking. Students will be provided with opportunities for engaging in hands-on practical work, encouraging exploration and experimentation.

The Science curriculum also provides opportunities for students to explore the ethical and societal implications of scientific advancements. It encourages critical thinking about global challenges, such as climate change and sustainability, and helps nurture responsible attitudes towards the environment and living organisms.

Year 13 Curriculum

Science is a set of ideas about the material world. During Year 12 and 13 you will develop your understanding

Key Points

Chemistry and Physics

Exams covering all Year 12 and taught Year 13 content at the start of March.
In-class end of topic assessments.

Science

Coursework hand in dates. Students will have a mini mock this half term in any exam
preparing for the external exams in the summer - Unit 3 (single), Unit 5 (double).

Coursework

Our intent is that all students have a full understanding of how to develop themselves as well rounded citizens, maintain healthy relationships and understand how to keep themselves safe both online and in their day-to-day life. We want all students to know what options are open to them in the future and understand the routes they have in order to progress on their life journey.

Just some of the things our curriculum includes:

- Link

Careers

We run a series of 'Careers in the Curriculum' weeks in [September](#) for Science, this week is in January.

Students take part in a number of activities to explore how what they learn in the classroom can be applied in a number of future careers. We expect students be thinking about which direction want their career in science to go, whether Apprenticeship or even heading straight into the science industry.

For more information on 'Careers in the Curriculum' section on our website by clicking

[here](#) for a degree in [Physics](#).

Have Your Say...

At WPT we're always looking for feedback. If you have any thoughts/opinions on this Curriculum Newsletter, its content or the curriculum in general, please scan the QR code to fill out a short feedback form.