



Curriculum Intent for Physics at St Joseph's College

What we are trying to achieve?

- To foster a love and passion for physics in our students and an understanding of the relevance of studying physics to develop their cultural capital.
- To foster curiosity and resilience by ensuring that our students develop a mastery of the fundamental skills and knowledge in physics.
- To develop a recognition of how and when physics underpins the Catholic character of the school through our Scheme of Learning (SoL) and delivery so students do not view science and the Catholic life of the school as separate.
- To develop student confidence and independence during practical work, with a core understanding of how science works; the scientific method.
- To develop the literacy and numeracy skills of students by embedding them into lessons.
- Success criteria will be supplied for lessons and tasks which are well constructed enabling students to take their learning forward.
- National policies such as British values, PSHE, SMSC and RSE are built into the Scheme of Learning. This also includes links with industry and higher education in order to promote career ambitions as part of the school's CEIAG provision.
- To provide an effective transition from Key Stage 2 (KS2) through to KS5. This includes a curriculum plan as a logical skill and knowledge-building sequence of lessons.
- In Years 7 and 8 students follow a programme that aims to build upon the skills from KS2 and ensure a depth of understanding of the key scientific concepts. This follows the KS3 National curriculum.
- 100% of students will study science at a GCSE level.
- In Years 9, 10 and 11 students will study either the separate sciences or the combined science (trilogy) GCSE depending on the pathway/ options they are in.
- A-level physics is available for students who achieve at least a grade 6 at GCSE and also achieve at least a grade 7 in GCSE maths.