

PHYSICS

Why should I study Physics?

Physics underpins all the understanding scientists have about the universe: its origins, future and laws that exist within it. Pupils studying the Bolingbroke Academy Physics course will gain new skills and develop existing ones based around data analysis, problem solving and using scientific investigations to support conclusions. They will learn all about how our understanding of the universe has changed through the ages and, more importantly, how modern advancements in technology and research have affected our understanding of the physical world around us.

Bolingbroke is best for Physics because...

Students will be taught by physics specialists who are devoted to sharing their passion for their subject. Lessons will be taught in modern laboratories with modern practical equipment that will provide pupils with first-hand experience of the concepts they are learning about.

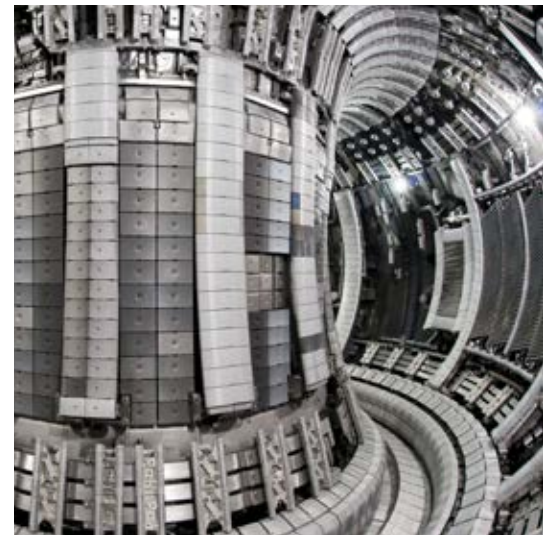
What will I study?

The physics course is based around core concepts such as particles, radiation, waves, electricity, mechanics, materials, fields and

nuclear physics but with a big focus on how knowledge of these areas is applied in modern contexts. Pupils will begin to ask questions about the universe in a way they have not done before and will investigate mathematical relationships which describe the natural world.

Additional activities within this subject

- Opportunities to attend Physics inspiration lectures.
- Trips to and links with universities to help you decide that all important next step.
- Visit physicists at CERN (The Centre for European Nuclear Research. Geneva, Switzerland) who are seeking answers, using some of the world's most powerful particle accelerators.
- Subject Tutorial support sessions.



What our students say

“Lots of people find Physics challenging but the Bolingbroke teachers always make sure the lessons are broken down and taught in interesting, inspiring ways.”

Class of 2019 student