



**RICHARD
TAUNTON**
Sixth Form College



PHYSICS

SPANNING THE BEHAVIOUR OF SUBATOMIC PARTICLES, RIGHT UP TO UNDERSTANDING THE ENTIRE UNIVERSE, PHYSICS TACKLES THE UNDERLYING NATURE OF EVERYTHING.

This challenging and rewarding course delves deep into the fundamental nature of the universe and looks at how we can explain and mathematically model the myriad phenomena that exist in nature.

KEY TOPICS

- Nuclear radiation and Nuclear Decay
- Quantum Theory
- Mechanics - Forces and Motion
- Electric, Magnetic and Gravitational Fields
- Stars and the Universe
- Electric circuits
- Medical Physics
- Waves.

ASSESSMENT

This course is 100% exam based. There is also a non-exam assessment of practical skills, which results in a Practical Endorsement.

ENTRY REQUIREMENTS

At least five GCSEs at grade 5 or above, including Maths and Science (Physics or double award) at grade 6 and English Language at grade 5.

PROGRESSION POSSIBILITIES

UNIVERSITY COURSES: Physics, Engineering, Mathematics, Computer Science, Medicine.

CAREER OPTIONS: Engineer, climate scientist, computer scientist, industrial researcher, product designer.

Disclaimer: Information in this course leaflet is for September 2022 entry and is accurate at time of printing. All information provided is subject to change and may be updated during the academic year. Courses offered by the College are subject to change and are reviewed on an annual basis.

SKILLS DEVELOPED

- Collect and analyse data
- Apply complex ideas to new situations
- Solve complex problems
- Clearly describe and explain complex systems with appropriate technical language
- Apply maths skills to real world situations.

TRIPS, ENRICHMENT & OTHER OPPORTUNITIES

- Visit the Institute of Sound and Vibration Research
- Attend talks on Black Holes and Pulsars
- Attend a workshop on particle physics
- Listen to specialist speakers on a range of topics including: Electronic Engineering and Artificial Intelligence, Working in Medical Physics, Sustainability and Environmental Pollution.

3 COURSES THAT WORK WELL WITH THIS SUBJECT

- Maths
- Chemistry
- Computer Science.

QUALIFICATION

A LEVEL

LEVEL

LEVEL 3

CURRENT EXAM BOARD

OCR

STUDENT VIEW

"I chose to study Physics because it was my strongest and favourite of the three science subjects I studied at secondary school. I knew Richard Taunton would be a great place for me to focus because of the quality teaching on offer."

Callum Mears
Formerly of

READY TO APPLY?

Visit our website and fill out an application form to secure your place.

We recommend applying before the end of March to ensure you benefit from our full transition package.