

Physics Olympiad



Imagine what you can become...

Physicist

Astrophysicist

Mathematician

Nuclear and Particle Physicist

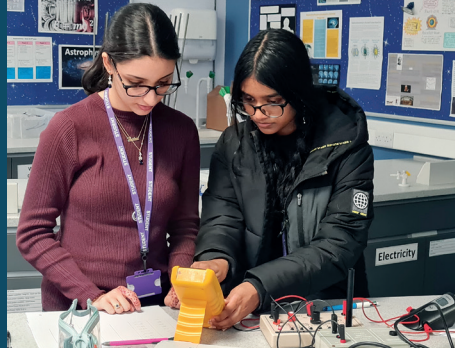
Architect

Robotics Engineer

Aerospace Engineer

Computer Scientist

Banker



Find out more:
scan me!

EXAM BOARD
AQA

A LEVEL PHYSICS

- Appreciate the workings of the Universe through studying the smallest to the largest phenomena
- Aim for top grades and top universities through our Physics High Achievers+ Programme
- Build model telescopes, engines, bridges, rockets and robotic arms in our 'Future Engineers' Programme



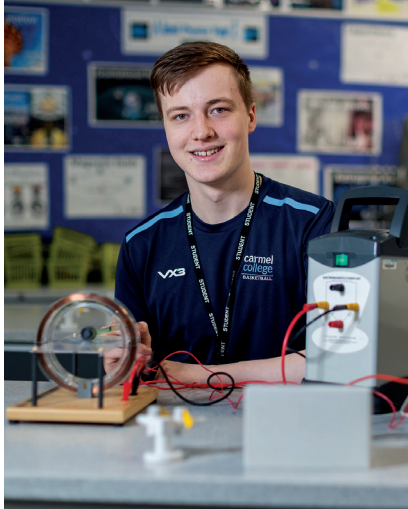
YOU WILL STUDY

- Measurements and their errors
- Particle Physics
- Quantum Physics
- Waves
- Mechanics and materials
- Electricity
- Further mechanics and thermal physics
- Magnetic Fields
- Electric Fields
- Gravitational Fields
- Capacitance
- Nuclear Physics
- Astrophysics

ASSESSMENT

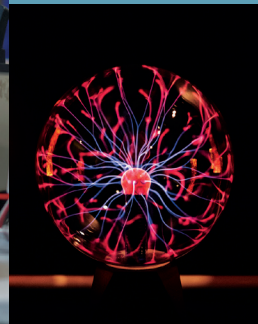
Three exam papers - scientific theory, applied mathematics, practical skills and data analysis

Practical Element - a minimum of 12 practical tasks over two years



ASK ABOUT...

Our Physics
High Achievers+
Programme



YOU'LL LOVE...

Competitions including the Physics Olympiad, Future Engineers Enrichment Programme, talks on cutting edge research from the University of Liverpool, plus trips and visits e.g. to Jodrell Bank and CERN in Geneva.



www.carmel.ac.uk