



Imagine what you can become...

Physicist

Astrophysicist

Mathematician

Nuclear and Particle Physicist

Architect

Robotics Engineer

Aerospace Engineer

Computer Scientist

Banker



2025 Entry

## 2024 RESULTS

A\* - B 54%

A\* - C 83%

Overall 100%

## EXAM BOARD

AQA



Find out more:  
**scan me!**

# 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



## ASK ABOUT...

Our Physics  
High Achievers+  
Programme



## ASSESSMENT

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

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

## 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.

**carmel**  
college

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