



# PHYSICS

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Studying physics empowers students to understand the fundamental laws that govern the universe—from the motion of planets to the behaviour of atoms. It sharpens analytical thinking, problem-solving, and mathematical skills, making it a gateway to careers in engineering, technology, space science, and beyond. Physics also nurtures curiosity and innovation, helping students tackle real-world challenges with logic and creativity. Whether you're fascinated by black holes or building better batteries, physics gives you the tools to explore, explain, and shape the world around you. Its assessed through 3 exams at the end of the two year course.

## Enrichment Opportunities

- University of Liverpool- Particle Physics masterclass
- Liverpool Physics Olympics
- British Physics Olympiad
- Institute of Physics Essay Competition

## A-LEVEL

### Residential Opportunity

A residential trip to **CERN** (the European Organization for Nuclear Research) offers A Level students a thrilling immersion into the world of particle physics and cutting-edge science.

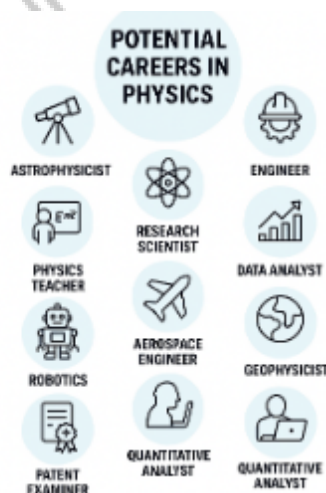


## Work Experience Opportunities

- Astrophysics Research institute at LJMU
- BAE Systems
- Nuffield Research Institute
- STFC Summer Placements

## Related Higher Education Courses

- Physics (BSc or MSci)
- Astrophysics
- Theoretical Physics
- Mechanical Engineering
- Electrical & Electronic Engineering
- Aerospace Engineering
- Medical Physics
- Quantum Technologies
- Materials Science



# ENGAGE, ENABLE, EMPOWER