

CAREERS
SNAPSHOT

PHYSICS



5

REASONS WHY

PHYSICS

CAN BOOST YOUR CAREER!



1

Critical Thinking Skills

Immerse yourself in physics to refine your analytical abilities, unravel complex problems, and develop critical thinking skills. It's a toolset to confidently approach challenges creatively.

2

Mathematical Exploration

Physics introduces you to the fascinating world of mathematical modelling and data analysis. Imagine becoming a mathematical explorer, ready to conquer real-world puzzles in technology, finance, or data science.

3

Innovation Hub

Physics is a gateway to innovation, fostering a creative mindset to explore ideas that can shape the future. Consider it your personal playground where innovation has limitless possibilities.

4

Adaptability Training

Beyond formulas, physics instills adaptability, allowing teenagers to transition seamlessly between different roles and stay ahead in a dynamic world.

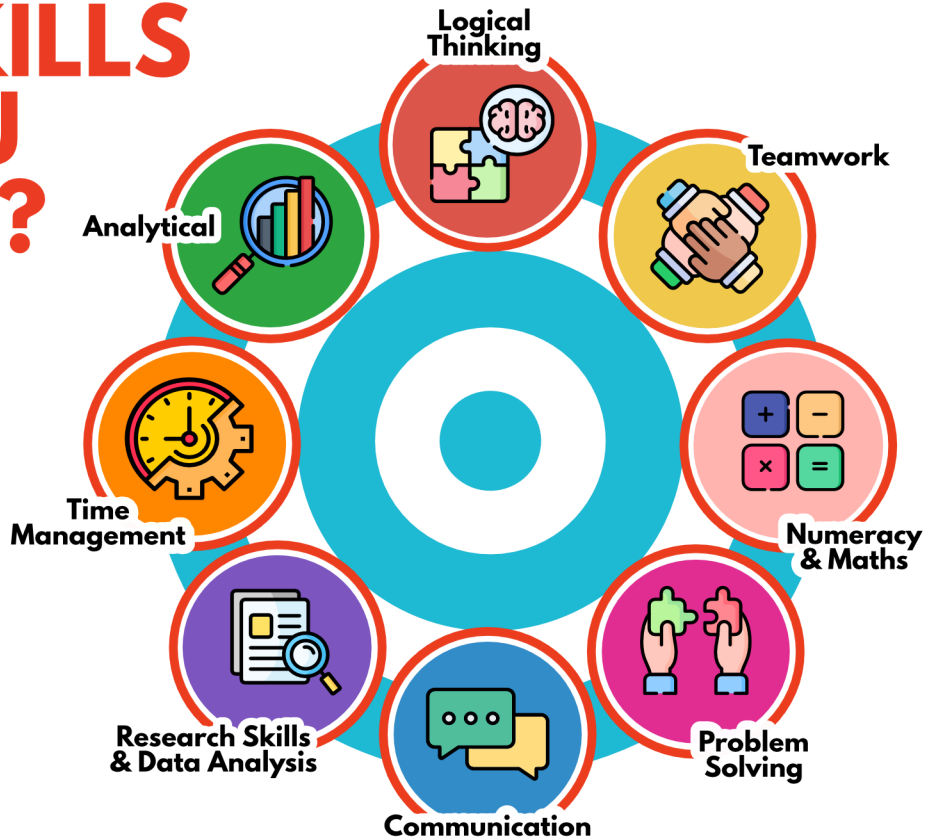
5

Communication Mastery

Envision yourself as a communication maestro. Physics not only equips you with complex concepts but also hones your ability to convey them to diverse audiences. Become a storyteller of intricate ideas, captivating the world with your communication skills

WHAT SKILLS WILL YOU DEVELOP?

Different jobs need different skills but did you know studying **Physics** can help you to develop these skills.



WHAT JOBS CAN YOU DO WITH PHYSICS?

Explore careers in Physics, revealing job possibilities and creative earnings. Uncover options for a fulfilling future!



NUCLEAR ENGINEER

Responsible for the safe running of nuclear power stations.

£25,000 - £58,000



AEROSPACE ENGINEER

Design, test, build and maintain aeroplanes, spacecraft and satellites.

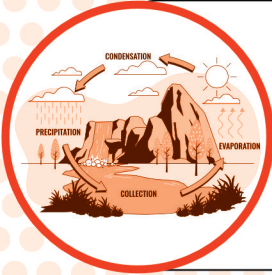
£27,000 - £60,000



NANOTECHNOLOGIST

Design, create and manipulate materials on a tiny scale.

£15,000 - £40,000



METEOROLOGIST

Collect and study data from the atmosphere and oceans to make weather forecasts and carry out research.

£20,000 - £60,000



SOFTWARE ENGINEER

Apply scientific and mathematical principles in order to create computer software and solve problems.

£18,000 - £70,000



SECONDARY SCHOOL TEACHER

Teach children from ages 11 to 16, or up to 19 in schools and sixth forms.

£30,000 - £47,000

YOU COULD WORK IN THESE SECTORS...



**AEROSPACE &
DEFENCE**



**SPACE &
ASTRONOMY**



**IT, SOFTWARE
& COMPUTERS**



**MEDICAL
PHYSICS**



**FINANCE &
BANKING**



EDUCATION



**ENVIRONMENTAL
SCIENCE**



**AUTOMOTIVE
INDUSTRY**



**ENERGY &
RENEWABLES**

... AND WORK FOR THESE COMPANIES!



HSBC

virgin atlantic 



UK Atomic
Energy
Authority



CHAMELEON®
TECHNOLOGY



British
Geological
Survey



part of the  Group



bp



STScI | SPACE TELESCOPE
SCIENCE INSTITUTE



Science and
Technology
Facilities Council

BAE SYSTEMS



European Space Agency



AIRBUS

**BMW
GROUP**



dyson



WHAT QUALIFICATIONS CAN HELP YOU?

Check out some of the different qualifications related to **Physics**, see what you can learn, and find out where they could take you in the future!

APPRENTICESHIPS

- Aerospace Engineer
- Ecologist
- Environmental Practitioner
- Healthcare Engineering Specialist
- Healthcare Science Assistant
- Junior Energy Manager
- Non-destructive testing engineer
- Nuclear Operative
- Nuclear Reactor Desk Engineer
- Diagnostic Radiographer

FURTHER EDUCATION

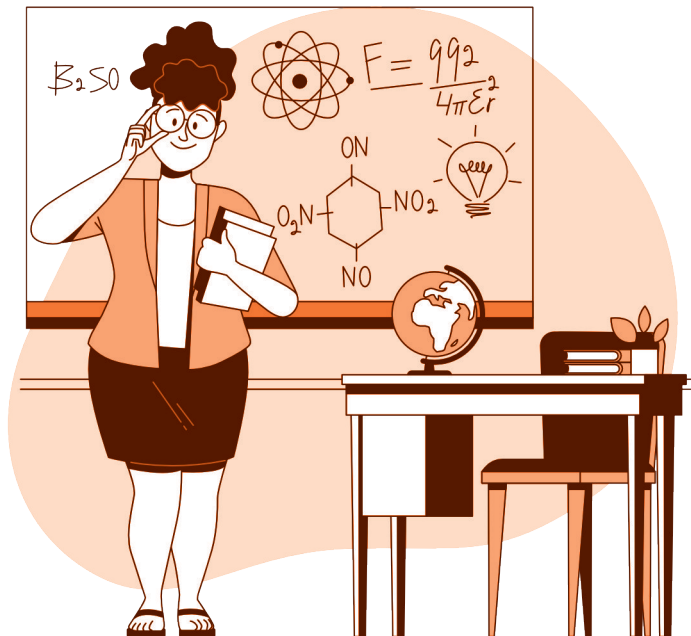
- A Level - Physics
- A Level - Maths
- A Level - Applied Science
- A Level - Engineering
- T Level - Engineering, Manufacturing, Processing & Control
- T Level - Health
- T Level - Healthcare Science
- T Level - Science
- BTEC - Applied Science
- BTEC - Mechanical Engineering
- BTEC - Computing

HIGHER EDUCATION

- HNC / HND in Electronics
- HNC / HND in Applied Science
- HNC / HND in Mechanical Engineering
- HNC / HND in Engineering
- MPhys (Hons) in Physics & Astronomy
- MPhys (Hons) in Theoretical Physics
- BA (Hons) in Architecture
- BSc (Hons) in Geophysics
- BEng (Hons) in Aeronautical Engineering
- BSc (Hons) in Computer Science

WHERE CAN YOU FIND OUT MORE?

Use the information in this career snapshot to help you explore different careers, skills and qualifications needed to progress into a career related to **Physics**.



USEFUL WEBSITES

NHS - Health Careers

The NHS Health Careers website is a vital resource for those seeking careers in the UK's National Health Service, offering tools and insights for navigating diverse healthcare professions

<https://www.healthcareers.nhs.uk>



Prospects - What can I do with my degree?

Prospects is a UK-based careers website offers insights into career options, skills required, and job prospects for those who have studied a degree.

<https://www.prospects.ac.uk/careers-advice/what-can-i-do-with-my-degree>



National Careers Service

The NCS provides information on various careers, including those that are related to mathematic and more. This resource includes details on job duties, skills, salary and entry requirements.

<https://nationalcareers.service.gov.uk>



Career Pilot

Discover detailed job sector profiles, opportunities, skills, and educational paths related to subjects.

<https://www.careerpilot.org.uk/job-sectors/subject/physics>

