

ENTRY PATHWAYS SCIENCE TODAY

Why choose Entry Pathways Science Today?

The Entry Pathways Science Today qualification builds upon your prior learning in key stage 3. You will learn about the key ideas in science and how they are useful in modern life. You will develop your practical and problem-solving skills and understand the important role that science has in society.

What will I study?

There are 13 different science units available – your teacher will choose the most appropriate units for you to study.

Introduction to Plant Care

This unit allows you to gain basic skills and understanding in the care of plants.

Introduction to Land Maintenance

You will develop your skills and knowledge of maintaining planted areas.

Introduction to Animal Care

You will gain skills and understanding of the basic requirements of caring for an animal.

Science: Health and Safety

You will appreciate hazards associated with using materials and procedures in the home, workplace or laboratory and how you can minimise the chance of harm.

Science and our Universe

You will explore themes connected with space and our Universe.

Making Useful Compounds

You will use simple laboratory equipment to prepare useful chemicals and gain an understanding of the chemistry behind the reactions you have used.

Science and the Human Body

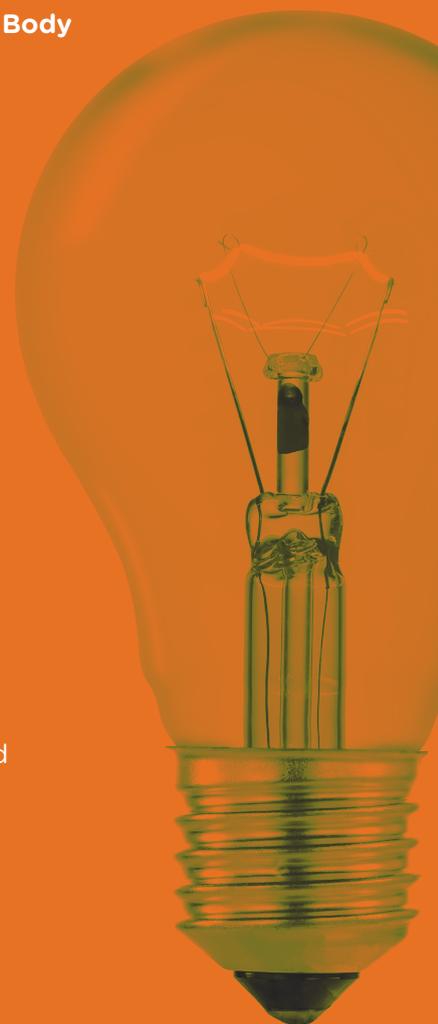
You will gain a basic understanding of how science can help us look after our health.

Science and the Plant World

You will develop an understanding of the structure of plants, the basic needs of a plant for healthy growth and how plants can reproduce.

The science of Light and Sound

You will explore themes connected with light and sound. You will also investigate properties and use of light and sound.



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Variation and Adaptation

You will understand how organisms are adapted to their environment and how the diversity of organisms in an environment can be protected.

Working with Electrical Circuits

You will explore themes connected with the use of electrical circuits.

Energy in the Home and Workplace

You will explore themes connected with energy use and transfer in the home and workplace.

Chemical Products used in the Home and their Environmental Impact

You will appreciate that there are a range of chemical products used in the home and that the disposal of these materials can have an impact on the environment.

What skills will I develop?

- knowledge and understanding of key areas of science and its application
- competence and confidence in a variety of practical, and problem-solving skills
- scientific enquiry and modelling skills and understanding in laboratory, and work-related contexts
- understanding of the relationships between data, evidence and explanations
- understanding of how society makes decisions about scientific issues
- communication, mathematical and technological skills in scientific contexts

How will I be assessed?

The qualification is split into 13 units, which are all marked by your teacher.

Careers with Entry Pathways Science Today

The transferrable skills developed by studying science are actively sought out by employers. There are many jobs that scientists can do in many different sectors. Most jobs have an element

of science in them, whether it be working for the health service, working to maintain our environment, working in manufacturing, or in the building sector.