

Evolution and Inheritance

This project teaches children how living things on Earth have changed over time and how fossils provide evidence for this. They learn how characteristics are passed from parents to their offspring and how variation in offspring can affect their survival, with changes (adaptations) possibly leading to the evolution of a species.



Thomas Edison

Light Theory

This project teaches children about the way that light behaves, travelling in straight lines from a source or reflector, into the eye. They explore how we see light and colours, and phenomena associated with light, including shadows, reflections and refraction.

Electrical Circuits and Components

This project teaches children about electrical circuits, their components and how they function. They recognise how the voltage of cells affects the output of a circuit and record circuits using standard symbols. It also teaches children about programmable devices, sensors and monitoring. They combine their learning to design and make programmable home devices.

Nikola Tesla

Circulatory System

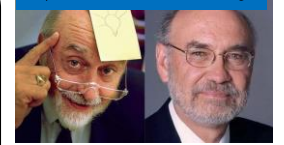
This project teaches children about the transport role of the human circulatory system, its main parts and primary functions. They learn about healthy lifestyle choices and the effects of harmful substances on the body

William Harvey

Properties and Changes of Materials

This project teaches children about the wider properties of materials and their uses. They learn about mixtures and how they can be separated using sieving, filtration and evaporation. They study reversible and irreversible changes, and use common indicators to identify irreversible changes..

Spencer Silver & Arthur Fry



Jane Goodall

Human Reproduction and Aging

This project teaches children about animal life cycles, including the human life cycle. They explore human growth and development to old age, including the changes experienced during puberty and human reproduction.

Properties and Changes of Materials

Human Reproduction and Ageing

Earth and Space

Earth and Space

This project teaches children about our Solar System and its spherical celestial bodies. They describe the movements of the Earth and the other planets relative to the Sun, the Moon relative to Earth, and the Earth's rotation to explain day and night..



Claudius Ptolemaeus

Forces and Mechanisms

Forces and Mechanisms

This project teaches children about the forces of gravity, air resistance, water resistance and friction, with children exploring their effects. They learn about mechanisms, their uses and how they allow a smaller effort to have a greater effect.

Galileo Galilei

Light and Shadows

Light and shadow

This project teaches children about light and dark. They investigate the phenomena of reflections and shadows, looking for patterns in collected data. The risks associated with the Sun are also explored.



Lewis Latimer V

Plant Nutrition and Reproduction

Plant nutrition and reproduction

This project teaches children about the requirements of plants for growth and survival. They describe the parts of flowering plants and relate structure to function, including the roots and stem for transporting water, leaves for making food and the flower for reproduction.



Jan Ingenhousz

Rocks, Relics and Rumbles

Rocks

This project teaches children to compare and group together different kinds of rocks on the basis of their appearance and simple physical properties, describe how fossils are formed when things that have lived are trapped within rock and recognise that soils are made from rocks and organic matter



Mary Anning

Forces and Magnets

This project teaches children about contact and non-contact forces, including friction and magnetism. They investigate frictional and magnetic forces, and identify parts of a magnet and magnetic materials.

Forces and Magnets



Animal Nutrition and the Skeletal System

Animal Nutrition and The Skeletal System

This project teaches children about the importance of nutrition for humans and other animals. They learn about the role of a skeleton and muscles and identify animals with different types of skeleton.

Animal Survival

Animal Survival

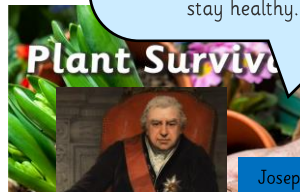
This project teaches children about growth in animals by exploring the life cycles of some familiar animals. They build on learning about the survival of humans by identifying the basic needs of animals for survival, including food, water, air and shelter.

Evelyn Cheesman

Charles Henry Turner

Plant Survival

This project teaches children about the growth of plants from seeds and bulbs. They observe the growth of plants firsthand, recording changes over time and identifying what plants need to grow and stay healthy.



Joseph Banks

Uses of Materials

John Dunlop



Use of materials

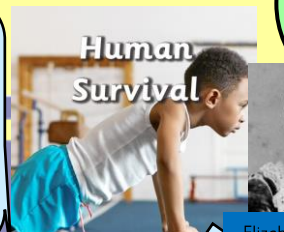
This project teaches children about the uses of everyday materials and how materials' properties make them suitable or unsuitable for specific purposes. They begin to explore how materials can be changed.

Habitats



Prem Singh Gill

Human Survival



Elizabeth Garrett Anderson

Human Survival

This project teaches children about the basic needs of humans for survival, including the importance of exercise, nutrition and good hygiene. They learn how human offspring grow and change over time into adulthood.

Year 6

Year 5

Year 1/2

Year 3/4

Science

Evolution and Inheritance

Light Theory

Electrical Circuits and Components

Circulatory System

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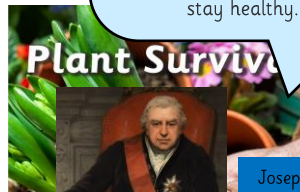
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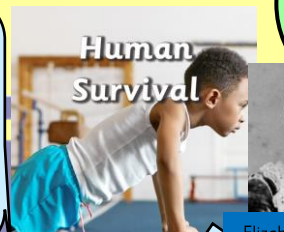
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