

St. Mary's Catholic Primary School



Subject: Science

Topic: Scientists and Inventors

Year: 2

What should I already know?

- The properties of Lego.
- Facts about Mae Jemison.
- The structure of a variety of common animals.
- The names of common wild and garden plants.
- The equipment used to measure rainfall.
- The role of a vet.

What am I going to learn?

- Greenhouses can help give plants some of the things they need to grow healthy.
- The water, light and temperature that the plants receive can be controlled inside the biomes, so the plants get the things they need to stay healthy.
- Elizabeth Garrett Anderson was an English doctor. She was special because she was the first Englishwoman to qualify as a doctor in Britain.
- Waterproof fabric was invented by a scientist called Charles Macintosh. His invention was so important that raincoats are named after him!
- Rachel Carson described an ocean food chain, starting with tiny plants and animals called plankton.
- Pesticides which are used to kill insects on farms and in gardens are harmful for the ocean.
- A wind turbine is the device that changes energy from the wind into electrical energy.



Vocabulary

Biome: A biome is an area with similar weather, rainfall, temperature, plants and animals.

The Eden Project: The Eden Project has specially built 'biome' structures. These house lots of different plants.

Doctor: Doctors treat people who are ill. They use science to work out what is wrong with someone and how to treat it.

Turbine: A turbine turns wind into electricity.

Waterproof: If a fabric is waterproof, water cannot soak through it.

Investigations

- We are going to carry out an experiment that investigates the effects of pesticides in water.
- We will be investigating the most suitable material for a waterproof coat.



Key People

Tim Smit	Tim Smit had the idea to build the Eden Project .
Nicholas Grimshaw	Nicholas Grimshaw designed the biomes for the Eden Project .
Jane Colden	Jane Colden was a botanist . She is thought to be America's first woman botanist .
Elizabeth Garrett Anderson	Elizabeth was the first woman to qualify as a doctor . She qualified in 1865.
Louis Pasteur	Louis Pasteur discovered that germs are living things that can be spread by touch or through the air.
Charles Macintosh	Charles Macintosh invented the first waterproof fabric.
Rachel Carson	Rachel Carson was a scientist who studied ocean habitats. She discovered that pollution from farms was affecting the oceans and the animals in them.
James Blyth	James Blyth invented the wind turbine in 1887. He used it to power the lights in his holiday home.