CBS Knowledge Organiser

Year: 1

Science –Scientists & Inventors

What impact have scientists and inventors had on the world in which we live today?

What I already know

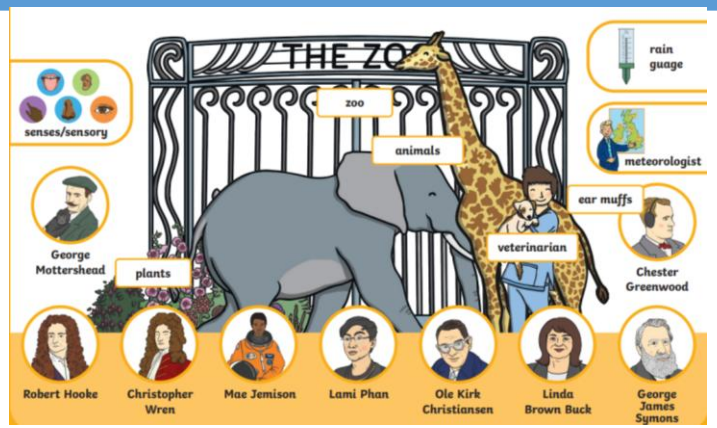
- Children will know the names of different materials.
- Children will be able to describe the properties of different materials.
- Children will know the names of different animals.
- Children will be able to name and identify animal body parts.
- Children will know their 5 senses.
- Children will know the names of different plants.
- Children will be able to identify different types of weather.

New Knowledge/Facts

- Ole Kirk Christiansen invented Lego.
- Mae Jemison was an astronaut, who worked for NASA.
- George Mottershead invented the first modern zoo in the UK, where animals are kept in enclosures, rather than cages.
- Horticulturists work with and conducts research on the science and skill of growing flowers, fruits, vegetables and ornamental plants.
- A rain gauge is a device used to measure rainfall. Christopher Wren and Robert Hook were Scientists who worked together to invent one.
- A veterinarian is a doctor for animals.
- Chester Greenwood was an inventor who invented the first pair of earmuffs when he was just 15!
- Linda Brown Buck discovered odorant receptors.

Overview of unit:

This 'Scientists and Inventors' unit will teach Y1 about famous scientists and inventors linked to the Y1 science curriculum. Children will learn about the inventions of Lego and ear muffs, and will explore the materials used to make them. They will investigate other materials that keep us warm, carrying out simple tests. Children will find out about the work of animal scientists, such as vets and zoo keepers. They will group and sort animals to make their own paper zoo, and will act in role as a vet, identifying the body parts of different animals. Children will have the opportunity to collect data when finding out about horticulturists and meteorologists. They will create bar charts of their favourite sensory plants, and make rain gauges to gather data on rainfall. Throughout the unit, children will work in a fun and hands on way to learn about scientists and inventors.



material	What an object is made from.
properties	The way materials look, feel and behave.
astronaut	Someone who has undergone specific training to fly into space.
zoo	A facility where animals are housed, cared for, displayed to the public, and bred in captivity.
enclosure	A space that is surrounded.
sort	To separate into groups.
group	A collection of people, things or ideas that are connected by characteristics.
wings	A pair of movable body parts used by birds, bats, or insects to fly.
fur	The hair of mammals.
fins	A thin, flat part of the body of a fish.
legs	A body part belonging to animals and humans, used for walking or standing on.
senses	What helps us to understand and interact with the world we live in.
plants	Living things that grow in the earth.
leaves	Part of a plant, attached to a stem, resembling a flat structure.
flowers	The bloom or blossom of a plant that produces seeds.
horticulturist	A person who works with and conducts research on the science and skill of growing flowers, fruits, vegetables and ornamental plants.
rain	Liquid water that falls from the sky.
rain gauge	Device used to measure rainfall.
meteorologist	Scientists who study the weather.
weather	A term used to describe the conditions of the atmosphere.
animals	Animals are living things that need food and water to live.
veterinarian	A doctor for animals.
tail	The rear part of an animal's body that sticks out from the backbone.
claws	A thin, sharp, curved nail on the foot of an animal
whiskers	Long, stiff hairs growing near the mouth of a cat, rat, and certain other animals
Winter	1 of the 4 seasons. The coldest time of the year.
Biologist	Scientists that find out about living things.