



Science Overview



Hebden Bridge Infant Schools Federation

KS1 Working Scientifically

Children should be taught to use the following practical scientific methods, processes and skills through the teaching of the PoS content:

- Asking simple questions and recognising that they can be answered in different ways
- Observing closely, using simple equipment
- Performing simple tests
- Identifying and classifying
- Using their observations and ideas to suggest answers to questions
- Gathering and recording data to help in answering questions.

Curriculum Overview for Science 2018 - 2019

Term	Autumn		Spring		Summer	
Whole School Themes	People	Festive Fun	Animals	One Picture	Local Wonders	Under the Sea
Foundation	Family, Friends and People Who Help Us <ul style="list-style-type: none"> • Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world. • Talks about why things happen and how things work • Children know about similarities and differences in relation to places, objects, materials and living things. 		On the Farm <ul style="list-style-type: none"> • Can talk about some of the things they have observed such as plants, animals, natural and found objects. • Shows care and concern for living things and the environment. • Looks closely at similarities, differences, patterns and change. • Talks about why things happen and how things work • They make observations of animals and plants and explain why some things occur, and talk about changes. • Children know about similarities and differences in relation to places, objects, materials and living things. 		Out and About <ul style="list-style-type: none"> • Can talk about some of the things they have observed such as plants, animals, natural and found objects. • Developing an understanding of growth, decay and changes over time. • Talks about why things happen and how things work. • They talk about the features of their own immediate environment and how environments might vary from one another. • Children know about similarities and differences in relation to places, objects, materials and living things. 	

<p>Year 1</p>	<p>Famous Five Animals, including humans</p> <ul style="list-style-type: none"> Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. <p>Seasonal Changes</p> <ul style="list-style-type: none"> Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies 	<p>Fur, Feathers and Fins Animals, including humans</p> <ul style="list-style-type: none"> Identify and name a variety of common animals, reptiles, birds and mammals including pets Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals <p>Plants (One Picture)</p> <ul style="list-style-type: none"> Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees 	<p>Local Wonders Everyday Materials</p> <ul style="list-style-type: none"> Distinguish between an object and the material from which it is made Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock Describe the simple physical properties of a variety of everyday materials Compare and group together a variety of everyday materials on the basis of their simple physical properties. <p>Animals, including humans</p> <ul style="list-style-type: none"> Identify and name a variety of common animals, including fish and amphibians Describe and compare the structure of a variety of common animals
<p>Year 2</p>	<p>The Great Fire & Remarkable Women Uses of everyday materials</p> <ul style="list-style-type: none"> Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. <p>Living things and their habitats</p> <ul style="list-style-type: none"> Explore and compare the differences between things that are living, dead, and things that have never been alive Animals, including humans Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. 	<p>Explorers Animals, including humans</p> <ul style="list-style-type: none"> Notice that animals, including humans, have offspring which grow into adults Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) 	<p>Habitats Plants</p> <ul style="list-style-type: none"> Observe and describe how seeds and bulbs grow into mature plants Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. <p>Living things and their habitats</p> <ul style="list-style-type: none"> Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other Identify and name a variety of plants and animals in their habitats, incl. microhabitats Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.