

The Northway Curriculum

Year Two

Science

Unit One - Materials



I can recognise and name common types of material and recognise that some of them are found naturally.		
I can sort objects into groups on the basis of simple material properties.		
I can recognise and name common types of materials and recognise that some of them are found naturally.		
I can use their senses to explore and recognise the similarities and differences between materials.		
I can find out about the uses of a variety of materials [for example, glass, wood, wool] and how these are chosen for specific uses on the basis of their simple properties.		
I can explore and describe the way some everyday materials change when they are heated or cooled.		
I can explore and describe the way some everyday materials change when they are heated or cooled.		

Year One Science Previous Knowledge	
LO: I can classify objects and materials.	
LO: I can group materials by type.	
LO: I can describe the properties of materials.	

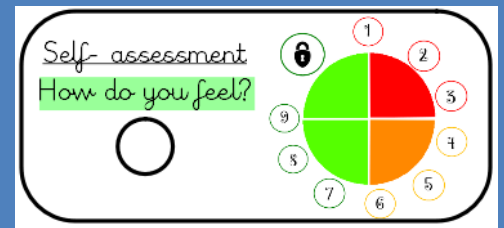
Year Two Science Working Scientifically	
I can ask simple questions and recognising that they can be answered in different ways	
I can observe closely, using simple equipment	
I can perform simple tests	
I can identify and classify	
I can use observations and ideas to suggest answers to questions	
I can gather and record data to help in answering questions	

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Year Two

Science

Unit Two – Animals, including humans



I can match animals to their offspring.		
I can describe how animals change as they grow.		
I can describe how humans grow and change.		
I can find out about the basic needs of a human baby for survival (water, food and air).		
I can test if children are faster when they are older.		
I can describe the basic needs of humans and animals.		

Year One	
Science	
Previous Knowledge	
LO: I can identify the features of animals	
LO: I can classify different animals using their unique features.	
LO: I can recognise stages of human growth.	

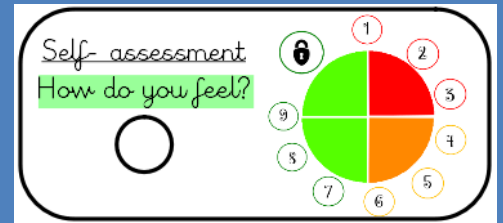
Year Two	
Science	
Working Scientifically	
I can ask simple questions and recognising that they can be answered in different ways	
I can observe closely, using simple equipment	
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Year Two

Science

Unit Three – Living things and their habitats.



I can compare the differences between things that are living, dead and have never been alive.

I can identify and compare habitats

I can identify and describe different microhabitats.

I can describe habitats in the world and identify animals that live in them.

I can explain how living things in a habitat depend on each other.

I can create a food chain and identify different sources of food.

Year One

Science

Previous Knowledge

I can identify and name a variety of plants

I can identify and describe the structure of a plant or tree

Year Two

Science

Working Scientifically

I can ask simple questions and recognising that they can be answered in different ways

I can observe closely, using simple equipment

I can perform simple tests

I can identify and classify

I can use observations and ideas to suggest answers to questions

I can gather and record data to help in answering questions

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Year Two Science Unit 4 Plants



LO: I can explain how seeds and bulbs grow into mature plants (Project)

LO: I can create an experiment to identify what plants need to grow and stay healthy

LO: I can observe and record the growth of plants and plot the results on a table and a graph

LO: I can write up and describe how seeds and bulbs grow into mature plants while explaining what they need to grow and stay healthy.

Year Four Science States of matter	
I can identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers	
I can explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant	
I can investigate the way in which water is transported within plants	
I can explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	

Year Two Science Working Scientifically	
I can ask simple questions and recognising that they can be answered in different ways	
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I can gather and record data to help in answering questions	