

Long Term Planner for Science

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Rec	Noticing similarities and differences – blackberry juice, making crepes – things change! Magnets; signs of Autumn, differences between animals – animal skin patterns, size	Noticing similarities and differences – autumn leaves, melting, making clay pots – things change Signs of autumn and winter	Earth from space, signs of winter, insta snow – changes, changes when putting substances or objects in water	Tadpoles in tank, growing different seeds, noticing similarities and differences; signs of spring, fossils	Minibeasts – snails, spiders, minibeast experience, signs of summer	Making boats, floating and sinking, shadows
1	Our bodies and senses - to identify different parts of the bodies and talk about our senses	Autumn - to describe how weather changes across the seasons and to identify signs of autumn Materials – to identify and describe the different properties of materials	Materials (cont) Winter - to describe how weather changes across the seasons and to identify signs of winter Animals – to be able to name and identify a variety of common animals	Animals (cont.) Spring – to describe the changes across the seasons and to identify signs of spring	Plants – to recognise/ describe and categorise different plants	Plants (cont) Summer – to describe the changes across the seasons and to identify signs of summer
2	Can I identify things that living, dead and have never been alive and the habitats of living thing?		Can I suggest ways in which animals grow into adults and live a healthy life? (Growth and survival)	Can I recognise materials and understand how they are used? Uses of everyday materials	Can I observe and describe how seeds and bulbs grow into plants and what they need to stay healthy?	How can I work like a super scientist?
3	Can I identify different rocks? What are fossils and how are they made? What is soil made from?	What are forces? How do things move on different surfaces? What are	How can I keep myself healthy?	Can I identify light sources? What is dark? What are shadows and how are they formed?	What Do Scientists Do?	Can I explain the life cycle and functions of different parts of a flowering plant?

		magnets and what are their uses?				
4	Animals including humans How can teeth determine what diet is eaten?	Animal including humans How does eating and digestion occur in humans?	Living in environments How are animals grouped, identified and what dangers do habitats pose to living things?	Sound How is sound made and how does it travel?	Electricity How has the invention of electricity affected life today?	States of matter What are the different states of matter and how or why do they change?
5	Space What is out there?	Forces How can less force create a greater effect?	Properties and changes of materials How do the properties of materials affect their use?	Life cycles and habitats of animals How do different life cycles compare?	Living processes What are the processes of life?	Forces and Humans How do forces and humans interact?
6	Electrical circuits – link with DT (making a working fairground ride) and ICT	Light - WOW visit to We the Curious.	Healthy bodies – circulatory system Linked with explanation text English.	Evolution and inheritance Linked with Darwin's Dragon English.	Classifying organisms.	Famous scientists – can I be the next greatest inventor? Dragon's Den – linked with DT.