



Science Enquiry Organisers: Reception, Cycle 1

Autumn 1 Science - plants		
Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> Plants are living things Flowers, trees and vegetables are all plants Plants needs soil, water and light to grow That plants grow on our school grounds Cress is a plant that you can eat Seasons change 	<ul style="list-style-type: none"> Explore my school grounds and talk about the plants I see (flowers and trees) Describe what I see, hear and feel outside Talk about seasons Say what is the same and what is different between the plants Sort the plants I can see into flowers and trees Make observations (cress diary) Explain what has happened and why Talk about change 	<ul style="list-style-type: none"> n/a
Vocabulary:		Images:
<p>Flower: Part of a plant Observe: look carefully and notice Plant: a living thing which includes flowers, trees and vegetables Season: one of 4 parts of the year, spring, summer, autumn and winter Soil: the top layer of the earths surface where plants grow Tree: a plant that has a stem or trunk with branches</p>		

Autumn 2 Science - materials		
Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> Objects are made from different materials Wood, metal, paper, plastic, glass and fabric are different types of material Materials have different properties, e.g. hard, soft, heavy, light, strong, bendy 	<ul style="list-style-type: none"> Name different types of materials Sort materials into groups Describe what some materials are like Compare two materials, saying what is the same and what's different Think about what to do Find out which material is the best to make my bag by planning and carrying out a test Talk about what I did and what happened 	<ul style="list-style-type: none"> n/a
Vocabulary:		Images:
<p>Material: what objects are made from Object: a material thing that can be seen and touched Observe: to look closely Predict: make a guess about what might happen Properties: what a material is like and how it behaves (soft, stretchy) Hard: solid, firm, rigid Soft: easy to cut, mould or fold Heavy: weighs a lot Light: not heavy Strong: can take force and pressure Bendy: can be bent, soft and flexible</p>		

Spring 1 Science – humans		
Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> Humans grow and change My body has changed since I was a baby My body is made up of different parts The parts of my body help me to do different things Books can be used to find out more information 	<ul style="list-style-type: none"> Compare my body to when I was a baby and say what is the same and what is different Compare my body to that of adult and say what is the same and what is different Name the different parts of the body and talk about what they do Ask and answer questions about the human body 	<ul style="list-style-type: none"> Investigating materials Talking about my family
Vocabulary: Human: a man, woman or child Body: the physical structure, including the bones, flesh, and organs, of a person or an animal. Grow: increasing in size or changing physically Compare: finding what is the same and what is different		Images:

Spring 2 Science – animals		
Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> There are different types of animals Wild animals live on their own (without help from people). A squirrel is a wild animal Domesticated animals are kept by people. Pets are domesticated animals There are different types of wild animals (e.g. birds) There are wild animals in England (e.g. badger, fox, deer) 	<ul style="list-style-type: none"> Make observations of animals Sort different animals and talk about how I have sorted them Talk about similarities and differences (sorting and classifying) (of UK animals) 	<ul style="list-style-type: none"> There are lots of stories about animals (discuss animals encountered in previous texts e.g. Jasper the cat (domesticated) and the Tiger who Came to Tea (wild)) Humans are animals
Vocabulary: Animal: a living creature Aquatic animals: live in water Birds: have a beak, wings and feathers. They lay eggs and live on land. Pets: a tamed animal kept for companionship or pleasure Tame: not dangerous or frightened of people; domesticated Terrestrial animals: live on land Wild animal: it isn't tame and it lives on its own without any help from people		Images:

Summer 1 Science – animals

Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> There are different types of animals (some are wild, some are domesticated) There are different types of wild animals (e.g. birds, aquatic, terrestrial) That different types of animals live in different environments The similarities and differences between the animals and their environments that I have learnt about 	<ul style="list-style-type: none"> Identify what is the same and what is different (identifying and classifying) Use books to find out information Find out things in different ways (zoo trip, books, online) 	<ul style="list-style-type: none"> Different wild animals can be found in each of the 4 countries in the UK

Vocabulary:	Images:
<p>Animal: a living creature Wild animal: it isn't tame and it lives on its own without any help from people Pet: a tamed animal kept for companionship or pleasure Birds: have a beak, wings and feathers. They lay eggs and live on land. Aquatic animals: live in water Terrestrial animals: live on land Environment: what is around a person, plant or animal in the place that it lives</p>	

Summer 2 Science – materials and plants

Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> The similarities and difference between some materials That floating is when an object sits on the surface That sinking is when an object goes under water The names of some plants growing at school 	<ul style="list-style-type: none"> Name some materials Observe and talk about changes Choose a material to make something (e.g. a boat) Ask questions Make suggestions about what to do and experiment in different ways Explore the school environment and talk about the plants I can see Add a picture to a pictogram 	<ul style="list-style-type: none"> What a material is Investigating the best material to make a bag What a plant is How plants grow and change

Vocabulary:	Images:
<p>Material: what an object is made of Plant: a living thing which includes flowers, trees and vegetables Flower: Part of a plant Tree: a plant that has a stem or trunk with branches Float: to rest on the surface of a liquid without sinking Sink: to fall or drop slowly under a liquid Pictogram: a way to present information using pictures Similar: how things are alike/the same Observe: to look at closely</p>	