

Science	e MTP: Sequence of lessons	Everyo	day Materials (Spring)	Year 2 Focus Scientist: Charles Macintosh			
plastic, glass, brick, rock, pap	tability of a variety of everyday materials, incl er and cardboard for particular uses olid objects made from some materials can be	uding wood, metal,	Types of materials: wood, plastic, glass Properties of materials: hard/soft, stre transparent/not transparent, sticky/no Verbs associated with materials: crum Lesson 4 To identify and compare the uses of different types of paper. To be able to perform simple tests. To use their observations and ideas to suggest answers to questions.	Lesson 5 To ident differen To be al measure	etchy, shiny/dull, rough/smoot		
Starting Point – Recap Everyday Materials from Year 1.	Properties of materials. What are the uses of wood?	Shaping Materials How well can we change the shapes of some solid objects?	Testing Paper What are the properties of different types of paper?	Blocking Which m	naterial is best for blocking a	Assessment Point – Which material is best at keeping you dry? Investigation linking to famous scientist – Charles Macintosh	



Science I	MTP: Sequence of lessons		Plant Surviv	val (Spring – Summer)	Year 2	Focus Scientist: Joseph Banks					
Reference to the Programme of Pupils should be taught to: Observe and describe how seeds Find out and describe how plants healthy. Lesson 1 To understand the difference between a seed and a bulb. To be able to sort and classify.	and bulbs grow into mature pla	Lesson 3 (Plant bu NOVEMBER!) To be able to obse grow into mature To be able to reco	erve how bulbs plants. gnise that answered in a range	Trees - deciduous, evergreen, ash, birch, beech, rowan, common lime, oak, sweet chestnut, horse chestnut, apple, willow, sycamore, fir, pine , holly, etc Wild flowering plants - cleavers, coltsfoot, daisy, dandelion, garlic mustard, mallow, mugwort, plantain, red clover, self heal, shepherd's purse, sorrel, spear thistle, white campion, white deadnettle and yarrow. Garden plants - crocus, daffodil, bluebells, etc Parts of plants - mots, branch, trunk, stalk, leaf, flower, petal, seeds, bulbs and twigs Need of plants - water, light, heat, temperature Lesson 4 To be able to find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. To use their observations and ideas to suggest answers to questions. To use their observations and ideas to suggest answers to questions. Seeds (Water & Light) Comparative test - Do seeds need water, light and a local seeds germinate in lovestigation over time - Do all seeds germinate in the comparative do plants need so that they can							
Starting Point – Recap parts of a plant from Year 1. Seeds and Bulbs What is the difference between a seed and a bulb?	Seeds Observing - What are different seeds like?	Bulbs Investigation over bulbs need so that healthily?		Comparative test - Do	Investigation over time –	Investigation over time – What type of					



Science N	ATP: Sequence of lessons		Living things	and Habitats (Autumn)	Year 2	ocus Scientist: Kate Hun	nble			
Reference to the Programme of	Study 2014			Key vocabulary						
Pupils should be taught to:				Habitat, micro habitat						
Explore and compare the different been alive	nces between things that are liv	ing, dead, and thing		Pond, meadow, log pile, woodland, river, lake, beach, cliff Organism – plant, animal						
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				Trees - deciduous, evergreen, ash, birch, beech, rowan, common lime, oak, sweet chestnut, horse chestnut, apple, willow, sycamore, fir, pine, holly, etc						
each other. Identify and name a variety of pla	ants and animals in their habita	ts, including micro-h		Wild flowering plants - cleaver clover, self heal, shepherd's pu	• • • • • • • • • • • • • • • • • • • •	•	•			
Describe how animals obtain the		nimals, using the ide	ea of a simple food	Garden plants – crocus, daffodil, bluebells, etc						
chain, and identify and name diff	erent sources of food.			Parts of plants – roots, branch, trunk, stalk, leaf, flower, petal, seeds, bulbs and twigs						
				Invertebrates – snail, slug, woodlouse, spider, beetle, fly, etc						
				Pond animals – pond skater, water slater, ramshorn snail, pond snail, leech, common frog, smooth newt, etc Classification - Carnivores, herbivores, omnivores						
				classification - Carmivores, her	bivores, offinivores					
Lesson 1	Lesson 2	Lesson 3		Lesson 4	Lesson 5	Lesson 6	Lesson 7			
To be able to identify and name a variety of plants and animals in their habitats, including micro-habitats. To be able to ask simple questions and recognise that they can be answered in different ways.	To be able to explore and compare the differences between things that are living, dead, and things that have never been alive. To be able to identify and name a variety of plants and animals in their habitats, including microhabitats.	things live in habit are suited and des habitats provide fo of different kinds plants, and how th other.	scribe how different or the basic needs of animals and ney depend on each her and record data	To be able to 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.	To be able to 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. To be able to observe using a hand lens.	To be able to 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.	To be able to 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.			



To be able to sort and classify.	To be able to record data in a bar chart.	To be able to record data in a tally chart. To be able to record data in a bar chart.			To be able to record data in a tally chart.
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Science MTP: S	Humans (Autumn) Yes		Year 2	ear 2 Focus Scientist: Louis Pasteur				
Find out about and describe the basic needs of a and air)	Pupils should be taught to: 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) Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. Lesson 1 Lesson 2 To know that human offspring grow into		Key vocabulary Stages of growth - adult Stages of life -baby, toddler, child, teenager, adult Life processes - growth, nutrition (feeding), resp Hygiene - clean, wash, germs Foods - healthy, grow, strong, energy Lesson 3 To know the importance of eating different types of food. To sort and classify. To be able to record data (table). To be able to perform a simple test.					
Starting Point – Parts of the body. Stages of Human Development What are the stages of human development?	Measuring body parts. Does every child in class have the same size feet?	Nutrition Which foods make a healthy diet?	Exercise Which exercise makes your heart rate go faster?	How of	ten do we urselves?	Germs – hygiene How do germs spread?	Louis Pasteur – significant scientist Who was Louis Pasteur and what did he discover?	



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Science MTP: Sequence of lessons			Animal Survival (Summer)				Focus Scientist:		
								David Attenboroug	h
survival (water, rood and air)			Key vocabulary Classification - Birds, fish, amphibians, reptiles, mammals and invertebrates Classification - Carnivores, herbivores, omnivores Stages of growth of many insects – egg, larva, pupa, adult Names of some invertebrates – ladybirds, butterflies, dragonflies, etc Invertebrate groups – arachnids, crustaceans, insects, molluscs, myriads, worms Names of some amphibians – smooth newt, common frog, toad						
Lesson 1	Lesson 2		Lesson 3	offspring, inherit	Lesson 4	Lesson 5		Lesson 6	Lesson 7
To identify and classify the characteristics of different invertebrates.		To know that animals have offs that grow into adults.		, -	To know that animals have offspring that grow into adults.	To know that animals had offspring that grow into To observe and describe lifecycle of an animal over the second se	adults.	To learn about a significant person.	To record data. To be able to observe using hand lens.
Invertebrates What do all invertebrates have in common?	Animals	asic Needs of	Animal Offspring Do all offspring look I parents?	ike their	Lifecycles of Animals What is similar and different about different lifecycles?	Butterflies/caterpillars How long does the lifect butterfly last?	ycle of	David Attenborough – significant biologist Who is David Attenborough and why is he a significant biologist?	Recording Live Data What insects can be found a CHPA?

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