

Altrincham C of E Aided Primary School

Year 2 White Rose Science Subject Overview

Autumn Term Year 2	<u>Animal Needs for Survival</u> (5 weeks)	<u>Humans</u> (2 weeks)	<u>Materials</u> (5 weeks)	<u>Plastic</u> (2 weeks)
<u>Lessons</u>	Lesson 1 - Mammals (step 1) Lesson 2 - Birds (step 2) Lesson 3 - Fish (step 3) Lesson 4 - Amphibians and Reptiles (steps 4&5) Lesson 5 - Humans (step 6)	Lesson 1 - Exercise and Food (steps 1&2) Lesson 2 - Hygiene & Teeth (steps 3&4)	Lesson 1 - Explore materials and wood, paper and cardboard. (steps 1&2) Lesson 2 - Brick, rock, glass and plastic (steps 3&4) Lesson 3 - Metal and Fabrics (steps 5&6) Lesson 4 - Same object, different material and Test materials (steps 7&8) Lesson 5 - Plan and Investigate (steps 9&10)	Lesson 1 - How plastic helpful and harmful (step 1) Lesson 2 - How we reduce our plastic waste in school (step 2)
<u>End points</u>	-Describe how animals are carnivores, herbivores and omnivores. -Explain how humans need air, water, food and shelter to survive. -Name some birds that cannot fly. -Describe the features of a fish. -Understand Amphibians live on land and water. -Know pet reptiles need direct heat to survive.	-Explain how exercise improves physical health -Explain why it is important to eat the right amounts of different foods. -Describe how a human can keep clean. -Understand the importance of brushing your teeth.	-Understand objects can be made from different materials. -Know that there are different strengths of wood, paper and cardboard -Describe why a rock is a natural material. -Explain the features of glass and plastic. -Explain what objects are made from metal. -Describe how fabrics have different uses. -Understand why materials have particular uses. -Explain that some materials can change shape and some cannot.	-Explain how plastics can be harmful to humans and other animals. -Explain different ways to reduce your plastic waste.
<u>Vocabulary</u>	Mammal, fur, carnivore, herbivore, omnivore, birds, feathers, beak, inset, wing, fish, scales, gills, fin, amphibian, webbed feet, frog, toad, newt, reptiles, scales, adult, baby, shelter.	Heart, exercise, physical health, mental health, healthy diet, unhealthy diet, meat, vegetable, fruit, sugar, germs, hygiene, disease, doctor, teeth, plaque, filling.	Material, natural material, human-made material, recycle, smooth, rough, flexible, rigid, rock, stone, pebble, brick, brittle, transparent, translucent, opaque, hard, shiny, dull, fabric, tough, lightweight, soft, bend, squash, twist, stretch, waterproof, strong, breakable.	Plastic, human-made material, recycle, single-use plastic.
<u>Relevant prior learning</u>	Common animal groups, animal diets and structures.	Human body parts and human senses.	Everyday materials (wood, plastic, glass, metal, water, rock); Simple physical properties.	Everyday materials, material properties.
<u>Key questions and practical activities</u>	Y2 Autumn Block 1 Animals needs for survival SOL.pdf	Y2 Autumn Block 2 Humans SOL.pdf	Y2 Autumn Block 3 Materials SOL.pdf	Y2 Autumn Block 4 Plastic SOL.pdf