

Cogenhoe Primary School Science Topic Overview

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EYFS Understanding the World LTP Science focus	Magical Me Develop an understanding of how the human body works. Recognising different body parts. The importance of oral health.	Celebrations Birds of Prey focus. Understand the care of living things. Explore natural materials needed to make a nest.	Growing Close observations of the growing process. Name and describe vegetable and other plant parts, using the senses.	Nature Detectives Compare the life cycles of different animals. Observe chicks: discuss the growing process and how to care for living things. Explore changing states; boiling and scrambling eggs.	Pirates and Journeys Materials and forces Build a boat to explore the properties of materials- floating and sinking. Forces investigation using blowing, magnets and suction.	Minibeasts and habitats Explore contrasting habitats and environments. Revisit changes of state- ice melting investigation.
Year 1	Everyday Materials Naming different materials Grouping materials Identifying everyday item materials	Weather and seasons Different seasons Weather types Measuring weather	Animals Group animals by what they eat Animal groups	Humans Labelling the human body Senses Major organs and bones	Plants Naming parts of a flower Naming common flowers Tree type Plants that flower	
Year 2	Materials Comparing suitability		Animals Including Humans Life cycle Diet and health Basic needs	Plants Observe and describe how seeds and bulbs grow Study and describe how plants need water, light and temperature to grow.	Habitats Naming things that are alive and dead Suited habitats Food chains <i>Key Vocab – Predator and prey</i>	
Year 3	Rocks Comparing and group different rocks Fossils are how they're formed The life of Mary Anning What soil is made from	Light Absence of dark Reflection Sun safety Shadows	Plants Functions and parts Requirements for growth Water transportation The role of flowers	Animals and humans Nutrition – functions of food groups Skeletal and muscular system	Forces Friction/ Surfaces Sorting everyday materials to magnetic or not Investigating magnets	(Catch up subject time)

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Year 4	Sound Sound is made by vibrations Pitch and volume Sound getting fainter The ear and how we hear	States of matter Water cycle Some materials change state when heated or cooled	Animals including humans Digestive system Teeth	Electricity Identifying appliances Batteries Circuits Identifying if circuits will work Switches, conductors and insulators	Living things and their habitats Classification to group a variety of living things Environments Food chains	(Catch up subject time)
Year 5	Space Movement of the earth relative to the sun Spherical bodies Earth's rotation – day and night and movement of the sun across the sky Phases of the moon	Materials Comparative and fair testing for uses of every materials Dissolving Separating Reversible changes	Living things and their habitats Life cycles – plants and animals	Animals including humans Stages of the human life cycle	Forces Gravity Air resistance Water resistance Friction	(Catch up subject time)
Year 6	Electricity How increased power affects performance of components Recognise and use symbols for circuits	Light Light travels in straight lines The eye and how we see Understanding how shadows are made Reflection and refraction	Animals including humans Functions of heart, lungs and blood Impact of diet, exercise drugs and lifestyle	Living things and their habitats Classification including micro-organisms Reasoning behind classification	Evolution and inheritance Fossils Inherited traits from parents Animals and plants – adaptations to suit environments	(Catch up subject time)