

Casterton Primary Academy – Science Curriculum Map Year A (Sept Odd Years)

Title or Question

National Curriculum



Stimulus and Enrichment



Outcome

World of Work Link

British Values



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Rec	The Natural World - Explore the natural world around them, making observations and drawing pictures of animals and plants - Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class - Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.					
Year 1/2	Seasonal Changes Y1 Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies <i>What should I wear today?</i> Taught termly as the seasons change.					
	<i>What grows in your garden?</i> Plants Y1 Plant hunt Short film Gardener, Farmer	<i>How can I be a super gardener?</i> Plants Y2 Planting Bulbs Instructions to care for a plant Market gardener	<i>How are animals different to us?</i> Animals including humans Y1 Bird Watching Lift the flap 'Who Am I?' Zoo keeper, naturalist	<i>How do I know what is happening around me?</i> Animals including humans Y1 Listening activities Create an activity using one sense Audiologist, optician	<i>How can you tell if something is alive?</i> Living Things and their Habitats Y2 Animal remains Poster about signs of life Vet, tree surgeon	<i>What lives in a place like this?</i> Living Things and their Habitats Y2 Bug hunt Bug identification chart Bee keeper, biologist
Year 3/4	<i>Where does our food go?</i> Animals including humans Y4 Make a digestive system Poster or information sheet Dentist, Doctor	<i>How do we know electricity is there?</i> Electricity Y4 Explorify Odd One Out Video Explanation Electrician	<i>How can we hear sound?</i> Sound Y4 (Longer unit) Carousel of activities exploring vibration Explanation writing answering Big Question Audiologist, Musician	<i>How does your skeleton help you?</i> Animals including humans Y3 Plus, Minus Interesting Discussion Time Annotated Diagram of the Skeleton Doctor, Physiotherapist	<i>How can water change?</i> States of Matter Y4 Outdoor activities with water and ice Model of the water cycle Water treatment operative, chemist	

Year 5/6	<i>How does our Solar System work?</i> Earth and space Y5 Explorify 'Zoomed In' activity Information booklet for Year 3 Astronaut, physicist, astronomer	<i>Where did we come from?</i> Evolution and inheritance Y6 Video Clip – Life on Earth Quiz with questions and answers for different classes to try Biologist, geneticist	<i>How do living things survive?</i> Living things and their habitats Y6 Odd One Out Animal Identification Key Zoologist, biologist, vet	<i>Why do we need blood?</i> Animals including humans Y6 Visit to the Leisure Box Exercise video Fitness instructors, doctors, nutritionist, athlete	<i>How is everything powered?</i> Electricity Y6 Circuit challenge activity Annotated circuit diagram Electrician, electrical engineer
----------------------------	--	---	--	--	--

Casterton Primary Academy – Science Curriculum Map Year B (Sept Even Years)

Title or Question

National Curriculum



Stimulus and Enrichment



Outcome

World of Work Link

British Values



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Rec	<u>The Natural World</u> - Explore the natural world around them, making observations and drawing pictures of animals and plants - Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class - Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.					
Year1 and Year2	<u>Seasonal Changes Y1</u> Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies <i>How do we know what season it is?</i> Film clip – Earth, seasons and time Going outside to experience different weathers Weather forecast given by the children Weather forecaster Taught termly as the seasons change.					
	<i>Why are objects made from different materials?</i> Everyday Materials Y1 Object treasure hunt in the grounds A book about materials People who make things eg. joiner	<i>What is a material's superpower?</i> Uses of materials Y2 Materials bingo Poster with prompts annotated with uses of materials People who make things eg. builder, dressmaker	<i>Do materials have secret strengths?</i> Uses of materials Y2 BBC Science Clip Video explanation of how materials can be changed. People who make things eg. potter, car manufacturer	<i>Where do babies come from?</i> Animals including humans Y2 Eggs to observe Video resources Butterfly gardens Life Cycle for a duck Doctor, nurse or vet	<i>How can I be a healthy hero?</i> Animals including humans Y2 Fruit tasting Possible visit from a mum and baby Life cycle of a human Nurse, doctor, cook	

Year 3 and Year 4	<i>Can we see in the dark?</i> Light Y3 Odd One Out Exploring shadows Shadow puppets Scientist, engineer, designer	<i>What makes things move?</i> Forces and Magnets Y3 Coin spinning experiment Short written reports explaining findings from enquiries Designer, recycler	<i>Why do we have flowers?</i> Plants Y3 Botanicum by Kathy Willis An information text to be used as a revision guide for Year 6 Horticulturalist Gardener	<i>Are all rocks the same?</i> Rocks Y3 Craggy cliff- pictures of famous rocks around the world. Children make a display and present their learning to another class Geologist Archaeologist Builder Stone mason	<i>Where have all the bees gone?</i> Living things and their habitats Y4 Nature/ mini beast hunt Persuasive letter asking for bee friendly planting Naturalist Conservationist
Year 5 and Year 6	<i>How and why do we never run out of plants in the world?</i> Living things and their habitats Y5 Film clips and images of rainforest plants Information Booklet Farming, Horticulture	<i>Do we change as we age?</i> Animals including humans Y5 Class discussion leading to an informal display Draw the life cycle of a range of animals identifying similarities and differences between the life cycles School Nurse Doctors Nurses Scientists	<i>What affects the movement of objects?</i> Forces Y5 Moon landing – hammer and feather video clip Dragon's Den presentation Engineers, Astronaut, Race car drivers	<i>How do we know which material is best suited for a purpose?</i> Properties and changes of materials Y5 Odd One Out Explanation using evidence collected Designer, engineer	<i>How do we see?</i> Light Y6 Short film clip Annotated drawings Ophthalmologist, optician