

St John & St James' C of E Primary School

Science Curriculum Map



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
E Y F S - N u r s e r y	Animals including humans How do we care for animals? Pets Looking after animals Focus text: Lulu Gets A Cat	Seasonal changes 1 (Autumn) How do plants change in autumn? Nature walks and collecting Art project Focus text: Leaf Man	Seasonal changes 2 (Winter) How do plants change in winter? Concrete experiences Art project Focus text: The Snow Day	Living things and their habitats 1 Do animals have the same features? Life cycles and changes (Butterfly) Focus texts: The Very Hungry Caterpillar	Plants How does your garden grow? Growing plants Noticing changes Focus text: Lulu Loves Flowers	Living things and their habitats 2 How does my body change? How have I grown? (development) Focus text: Anna Hibiscus
E Y F S - R e c e p t i o n	Seasonal changes (Autumn) How do plants tell us it is the autumn season? Nature walks and observations Focus text: Tree	Materials and changes Do all materials have the same properties? Recognising materials Seasonal walks Junk modelling Focus text: Stanley's Stick	Living things and their habitats 1 How do animals adapt to their environment? Arctic Links to seasons Focus text: Blue Penguin	Animals including humans What do living things need to be healthy? Exploring local area Pond life Focus text: The Bog Baby	Plants How do plants feed us? Life cycles Changes Habitat of a worm (needs) Focus text: Errol's Garden/ Worms (Non-fiction)	Living things and their habitats 2 Who lives where? Comparing animals (locally, nationally and internationally (India)) Focus text: No dinner!
Y1	Seasonal changes 1 What changes happen during Autumn? Key scientist: Michael Fish	Everyday materials What are the best materials to make wellies out of? Key scientists: Mattel Toy Company and Karina Garcia	Animals including humans (classification of animals) How are animals and humans different? Key scientist: Jane Goodall	Animals including humans (parts of body & senses) Why do humans and animals need all five senses? Key scientist: Patricia Bath	Seasonal changes 2 What happens in different seasons? Key scientist: Mikaela Loach	Plants Are all plants the same? Key scientist: Joseph Banks

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R R S A r t i c l e L i n k s	Article 29 - You have the right to be taught how to protect the environment	Article 27 – You have the right to food, clothing and a safe place to live	Article 28 - You have the right to a good quality education	Article 6- You have the right to be alive.	Article 29 - You have the right to be taught how to protect the environment	Article 29 - You have the right to be taught how to protect the environment
	Living things and their habitats 1 Who is MRS NERG? Key scientist: Chris Packham	Plants What does a plant put on its gift list? Key scientist: George Washington Carver	Animals including humans How do animals and humans grow? Key scientist: Maria Sibylla Merian	Living Things and their habitats 2 How do animals and humans survive? Key scientist: Rachel Carson	Use of everyday materials Why is plastic useful? Key scientist: Leo Hendrik Baekeland	
R R S A r t i c l e L i n k s	Article 27 – You have the right to food, clothing and a safe place to live	Article 29 - You have the right to be taught how to protect the environment	Article 8- You have the right to an identity.	Article 6- You have the right to be alive.	Article 27 – You have the right to food, clothing and a safe place to live	

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Y3	Rocks What type of rock do you think the wise man would have built his house on? Key scientist: Mary Anning	Forces and magnets Do forces involve contact? Key scientist: Albert Einstein	Animals including humans Why are our bodies special? Key scientist: Marie Maynard Daly	Plants What is the story of a seed? Key scientist: Eva Crane	Light Why are glasses made out of glass? Key scientist: Thomas Edison
R R S A r t i c l e L i n k s	Article 28 - You have the right to a good quality education	Article 17 - To have to right to find things out and share what you think with others	Article 19 – You have the right to be protected from being hurt or mistreated	Article 29 - You have the right to be taught how to protect the environment	Article 17 - To have to right to find things out and share what you think with others
Y4	Animals including humans Do we just need our teeth to eat? Key scientist: Dr Megan Rossi	Electricity What does a lightbulb need to light up? Key scientist: Benjamin Franklin	States of matter Does water only exist as a liquid? Key scientist: Daniel Fahrenheit and Anders Celsius	Sound Why do different musical instruments make different sounds? Key scientist: Alexander Graham Bell	Living Things and their habitats How can we tell the difference between different living things? Key scientist: Margaret Strickland Collins

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R R S A r t i c l e L i n k s	Article 24 - You have the right to the best health care possible, safe water to drink, nutritious food, a clean and safe environment, and information to help you stay well.	Article 17 - To have the right to find things out and share what you think with others	Article 28 - You have the right to a good quality education	Article 17 - To have the right to find things out and share what you think with others	Article 29 - You have the right to be taught how to protect the environment
	Living things and their habitats Do all species start as an egg? Key scientist: David Attenborough	Forces How are forces used in different sports? Key scientist: Isaac Newton	Properties and changes 'Milk and sugar please!' What are the chemical processes behind making a cup of tea? Key scientist: Archimedes	Animals including humans How different will you be when you are as old as the King? Key scientists: James Watson and Francis Crick	Earth and space Which planet would you like to live on? Key scientists: Dr Mae Jemison and Neil deGrasse Tyson
R R S A r t i c l e L i n k s	Article 29 - You have the right to be taught how to protect the environment	Article 17 - To have the right to find things out and share what you think with others	Article 28 - You have the right to a good quality education	Article 6 - You have the right to be alive.	Article 17 - To have the right to find things out and share what you think with others

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Y6	Electricity Why are wires so important in a circuit? Key scientist: Alan Turing	Light 'People cannot see around corners.' Do you agree? Key scientist: Nick Holonyak	Animals including humans Which parts of the body could you not live without? Key scientist: Daniel Hale Williams	Evolution & inheritance Why aren't there dinosaurs in Hackney? Key scientist: Charles Darwin	Living things and their habitats Is all mould bad for you? Key scientist: Carl Linnaeus
R R S A r t i c l e L i n k s	Article 28 - You have the right to a good quality education	Article 17 - To have the right to find things out and share what you think with others	Article 33 - You have the right to protection from harmful drugs and from the drug trade.	Article 8- You have the right to an identity.	Article 29 - You have the right to be taught how to protect the environment

Biology

Chemistry

Physics