

## Science Curriculum Overview

		Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Term 1	Enquiry Question		<b>What animals can you identify and name?</b>	<b>What living things inhabit our school pond, woods and garden square?</b>	<b>Why can't we survive on chocolate alone?</b>	<b>How do classification keys help us to identify living things?</b>	<b>How can forces affect moving objects or surfaces?</b>	<b>How can we classify living things?</b>
	Learning Goal Coverage		Animals, including Humans (i/ii)	Living Things and Their Habitats (ii/iii/iv) Animals, including Humans (ii) – School pond/School woods/Garden Square	Animals, including Humans (i/ii) Forces (Y5iii-levers link to muscles)	Living Things and Their Habitats (i/ii) Animals, including humans (iii) – school pond/school woods/school meadow/mountains	Forces (i/ii/iii)	Living Things and Their Habitats (i/ii)
	Curriculum Links		Class texts, Rare Breeds Farm, RE	Geography, class texts	Geography	Geography	DT, History	Class text, Geography
	Outdoor Learning		<b>What plants and animals can we name?</b> Twice a term SOLT Plants (i) Animals, including Humans (i/ii)	<b>How does Rosie the Tractor help the Landgirls?</b> Twice a term SOLT Plants (i) Living Things and Their Habitats (i)	<b>Why are plants and rocks important?</b> Twice a term SOLT Plants (i/ii/iv) Rocks (iii)	<b>What is a living lunchbox?</b> One class every week for that term SOLT	<b>How do plants and animals reproduce?</b> Once a Term – Teacher led Living Things in their Habitats (ii)	<b>How can you make a British soup from scratch?</b> Once a Term – Teacher led Living Things in their Habitats (i)
Term 2	Enquiry Question		<b>How can we use our five senses?</b> <b>What materials can you name?</b>	<b>Is any material suitable for any job?</b>	<b>Are all rocks the same?</b>	<b>How do circuits work?</b>	<b>How can you investigate everyday materials?</b>	<b>Why do living things evolve?</b>
	Learning Goal Coverage		Animals, including Humans (iv-senses) Seasonal Change (i/ii) – Autumn Everyday Materials (i/ii)	Uses of Everyday Materials (i)	Rocks (i/ii)	Electricity (i/ii/iii/iv/v)	Properties and Changes of Materials (ii/i/iii)	Evolution and Their Habitats (i/ii/ii)
	Curriculum Links		History, class text, Art	DT, History	class text, History,	DT		Class Text
	Outdoor Learning		<b>What plants and animals can we name?</b> Twice a term SOLT Plants (i) Animals, including Humans (i/ii)	<b>How does Rosie the Tractor help the Landgirls?</b> Twice a term SOLT Plants (i) Living Things and Their Habitats (i)	<b>Why are plants and rocks important?</b> Twice a term SOLT Plants (i/ii/iv) Rocks (iii)	<b>What is a living lunchbox?</b> One class every week SOLT	<b>How do plants and animals reproduce?</b> Once a Term – Teacher led Living Things in their Habitats (ii)	<b>How can you make a British soup from scratch?</b> Once a Term – Teacher led Living Things in their Habitats (i)

		Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Term 3	Enquiry Question		<b>How can you describe different materials? How can you group different animals?</b>	<b>How can the shape of solid objects be changed?</b>	<b>Why are shadows formed?</b>	<b>How does my recorder create sounds?</b>	<b>How can we describe Earth in Space?</b>	<b>How does the way light travels explain how we see objects?</b>
	Learning Goal Coverage		Everyday Materials (iii) Seasonal Change (i/ii) – Winter Animals, including Humans – around the world (i/ii)	Everyday Materials (ii)	Light (i/ii/iii/iv/v)	Sound (i/ii/iii/iv/v)	Earth and Space (i/ii/iii/iv)	Light (i/ii/ii/iv)
	Curriculum Links		Class text, Geography, DT		DT	Music	Class text, English	
	Outdoor Learning		<b>What plants and animals can we name?</b> Twice a term SOLT Plants (i) Animals, including Humans (i/ii)	<b>How does Rosie the Tractor help the Landgirls?</b> Twice a term SOLT Plants (i) Living Things and Their Habitats (i)	<b>Why are plants and rocks important?</b> Twice a term SOLT Plants (i/ii/iv) Rocks (iii)	<b>What is a living lunchbox?</b> One class every week SOLT	<b>How do plants and animals reproduce?</b> Once a Term – Teacher led Living Things in their Habitats (ii)	<b>How can you make a British soup from scratch?</b> Once a Term – Teacher led Living Things in their Habitats (i)
Term 4	Enquiry Question		<b>What is the structure of humans, flowers and trees?</b>	<b>What do animals, including humans need to survive and be healthy?</b>	<b>What do I want to investigate?</b>	<b>What are the simple functions of teeth and the digestive system?</b>	<b>What happens as humans get older? Why are everyday materials used for particular purposes?</b>	<b>How does the human circulatory system function?</b>
	Learning Goal Coverage		Animals, including Humans (iv) Plants (ii)	Animals, including humans (i/ii/iii)	Herstmonceux Science Centre Light (ii/iv/v) Forces and Magnets (i)	Animals, including Humans (i/ii)	Animals, including Humans (i) Properties and Changes of Materials (iv)	Animals Including Humans (i/iii)
	Curriculum Links		PSHE, Class Text, Art,	PSHE			PSHE	English
	Outdoor Learning		<b>What plants and animals can we name?</b> Twice a term SOLT Plants (i) Animals, including Humans (i/ii)	<b>How does Rosie the Tractor help the Landgirls?</b> Twice a term SOLT Plants (i) Living Things and Their Habitats (i)	<b>Why are plants and rocks important?</b> Twice a term SOLT Plants (i/ii/iv) Rocks (iii)	<b>What is a living lunchbox?</b> One class every week SOLT	<b>How do plants and animals reproduce?</b> Once a Term – Teacher led Living Things in their Habitats (ii)	<b>How can you make a British soup from scratch?</b> Once a Term – Teacher led Living Things in their Habitats (i)

		Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Term 5	Enquiry Question		<b>How can we compare materials? How can we compare animals?</b>	<b>What living things inhabit the Andean Jungle?</b>	<b>What affect do magnets have on other objects?</b>	<b>How can some materials change state?</b>	<b>What are the differences in the life cycles of mammals, amphibians, insects and birds?</b>	<b>What factors impact on the way bodies function?</b>
	Learning Goal Coverage		Everyday Materials (iv) Seasonal Change (i/ii) – Spring Animals, including Humans – school grounds (i/iii)	Living Things and Their Habitats (ii/iii/iv) Animals, including Humans (ii) – Andean Jungle (butterflies)	Forces and Magnets (ii/iii/iv/v/vi) Forces (Y5iii-levers)	States of Matter (i/ii)	Living Things and their Habitats (i/ii) (frogspawn)	Animals Including Humans (ii)
	Curriculum Links		Class Texts, Geography, Art	class text, Geography	DT(levers)			English, PSHE
	Outdoor Learning		<b>What plants and animals can we name?</b> Twice a term SOLT Plants (i) Animals, including Humans (i/ii)	<b>How does Rosie the Tractor help the Landgirls?</b> Twice a term SOLT Plants (i) Living Things and Their Habitats (i)	<b>Why are plants and rocks important?</b> Twice a term SOLT Plants (i/ii/iv) Rocks (iii)	<b>What is a living lunchbox?</b> One class every week SOLT	<b>How do plants and animals reproduce?</b> Once a Term – Teacher led Living Things in their Habitats (ii)	<b>How can you make a British soup from scratch?</b> Once a Term – Teacher led Living Things in their Habitats (i)
Term 6	Enquiry Question		<b>What animals will we find in our school grounds and at the beach?</b>	<b>How does my garden grow?</b>	<b>What happens to water in plants and puddles?</b>	<b>What happens in our oceans?</b>	<b>Are all changes in state reversible?</b>	<b>How do variations of components in an electrical circuit affect its function?</b>
	Learning Goal Coverage		Seasonal Change (i/ii) – Summer Animals, including Humans (i/ii)– school grounds/beach	Plants (ii) – cress investigations	Plants (iii/iv) Puddle investigation – water cycle	States of Matter (iii) – water cycle Living Things and Habitats (iii) – plastic pollution Animals, including humans (iii) – sea animals	Properties and Changes of Materials (v/vi)	Electricity (i/ii/ii)
	Curriculum Links		Class texts, Geography	History	Geography	class text, Geography		Class text, DT
	Outdoor Learning		<b>What plants and animals can we name?</b> Twice a term SOLT Plants (i) Animals, including Humans (i/ii)	<b>How does Rosie the Tractor help the Landgirls?</b> Twice a term SOLT Plants (i) Living Things and Their Habitats (i)	<b>Why are plants and rocks important?</b> Twice a term SOLT Plants (i/ii/iv) Rocks (iii)	<b>What is a living lunchbox?</b> One class every week SOLT	<b>How do plants and animals reproduce?</b> Once a Term – Teacher led Living Things in their Habitats (ii)	<b>How can you make a British soup from scratch?</b> Once a Term – Teacher led Living Things in their Habitats (i)