



Science Disciplinary knowledge across topics

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Autumn	Healthy eating- make	Polar Habitat	Different materials to	Growing plants	Under the sea
·	*make observations	smoothies	*identify some	make houses	On the farm-growing	Summer
	about things they see	*make observations	similarities and	 make observations 	animals	
	around them	about things they see	differences between	about things they see	 ask simple 	*make choices when
	*identify some	around them	the natural world	around	questions about the	performing simple
	similarities and	*make choices when	around me and	them	world around them	identifying
	differences between	performing simple	contrasting	 conduct guided 	 make some 	and classifying
	the natural world	identifying	environments,	investigations with	predictions about	 make some
	around me and	and classifying	drawing on their	supervision	living things based on	comparison between
	contrasting		experiences and	 make choices when 	prior knowledge	objects or living
	environments,		what has been read	performing simple	*make some	things
	drawing on their		in class	identifying	comparison between	 make some
	experiences and			and classifying	objects or living	predictions about
	what			 make suggestions 	Things	living things based on
	has been read in			about how things	 use basic 	prior knowledge
	class			work based on	observations to help	 explore the natural
	*explore the natural			their own	answer questions	world around them,
	world around them,			observations	with help from the	making
	making			 use basic 	teacher	observations and
	observations and			observations to help	 explore the natural 	drawing pictures of
	drawing pictures of			answer questions	world around them,	plants and
	plants and			with help from the	making	animals.
	animals.			teacher	observations and	 identify some
				*make some	drawing pictures of	similarities and
				comparison between	plants and	differences between
				objects or living	animals.	the natural world
				things		

					 identify some similarities and differences between the natural world around me and contrasting environments, drawing on their experiences and what has been read in class 	around me and contrasting environments, drawing on their experiences and what has been read in class
Reception	Growing (babies) Healthy eating Learn how seasons changes over time. *make some comparison between objects or living things • make some predictions about living things based on prior knowledge • ask simple questions about the world around them *use basic observations to help answer questions with help from the teacher	Woodland Explore colour, light, reflection and shadows. *explore the natural world around them, making observations and drawing pictures of plants and animals. • identify some similarities and differences between the natural world around me and contrasting environments, drawing on their experiences and what has been read in class	Winter hot/ cold *explore the natural world around them, making observations and drawing pictures of plants and animals. • identify some similarities and differences between the natural world around me and contrasting environments, drawing on their experiences and what has been read in class • ask simple questions about the world around them	Spring *explore the natural world around them, making observations and drawing pictures of plants and animals. • identify some similarities and differences between the natural world around me and contrasting environments, drawing on their experiences and what has been read in class • ask simple questions about the world around them	Habitats *make choices when performing simple identifying and classifying *explore the natural world around them, making observations and drawing pictures of plants and animals. • identify some similarities and differences between the natural world around me and contrasting environments, drawing on their experiences and what	Float and sink *make choices when performing simple identifying and classifying • ask simple questions about the world around them • ask teachers or adults within school about things they observe • make observations about things they see around them • conduct guided investigations with supervision

		make observations about things they see around them • conduct guided investigations with supervision • make choices when performing simple identifying and classifying			has been read in class • ask simple questions about the world around them	
Year 1	Sound *perform simple identifying and classifying, grouping task using basic observations *observe closely, using simple equipment. *use observations and ideas to suggest answers to questions, using simple sentences to describe the answer	Materials *perform simple identifying and classifying, grouping task using basic observations *ask simple questions and recognise that they can be answered in different ways(fair tests, comparative tests, observation over time, research, pattern seeking) *observe closely, using simple equipment *perform simple tests to investigate the answer to a given question *use observations and ideas to suggest answers to	Building things *use observations and ideas to suggest answers to questions, using simple sentences to describe the answer * ask simple questions and recognise that they can be answered in different ways(fair tests, comparative tests, observation over time, research, pattern seeking) *perform simple tests to investigate the answer to a given question *observe closely, using simple equipment.	Plants * ask simple questions and recognise that they can be answered in different ways (fair tests, comparative tests, observation over time, research, pattern seeking) perform simple * identifying and classifying, grouping task using basic observations * use observations and ideas to suggest answers to questions, using simple sentences to describe the answer * observe closely, using simple equipment.	Seasons and change *gather and record data to help in answering questions, using given tables or data formats *perform simple identifying and classifying, grouping task using basic observations *use observations and ideas to suggest answers to questions, using simple sentences to describe the answer * observe closely, using simple equipment. *perform simple tests to investigate the answer to a	The animal kingdom * perform simple identifying and classifying, grouping task using basic observations * use observations and ideas to suggest answers to questions, using simple sentences to describe the answer

		questions, using simple sentences to describe the answer		*gather and record data to help in answering questions, using given tables or data formats	given question	
Year 2	Human lifestyle * perform simple identifying and classifying, grouping using basic observations *perform simple tests to investigate the answer to a given question *give basic conclusions with simple reasoning *use observations and ideas to suggest answers to questions, using simple sentences to describe the answer to a question	Space * use observations and ideas to suggest answers to questions, using simple sentences to describe the answer to a question *research the answers to questions using books, tablets or computers *ask simple questions and recognise that they can be answered in different ways (fair tests, comparative tests, observation over time, research, pattern seeking)	Changing materials • observe closely, using simple equipment * perform simple tests to investigate the answer to a given question give basic * conclusions with simple reasoning * ask simple questions and recognise that they can be answered in different ways (fair tests, comparative tests, observation over time, research, pattern seeking) * gather and record data to help in answering questions, using given tables or data formats	Mixing and making * ask simple questions and recognise that they can be answered in different ways (fair tests, comparative tests, observation over time, research, pattern seeking) * observe closely, using simple equipment *perform simple tests to investigate the answer to a given question * use observations and ideas to suggest answers to questions, using simple sentences to describe the answer to a question	Extraordinary scientists * research the answers to questions using books, tablets or computers * perform simple tests to investigate the answer to a given question * use observations and ideas to suggest answers to questions, using simple sentences to describe the answer to a question	Habitat *perform simple identifying and classifying, grouping using basic observations • begin to group using prior knowledge • research the answers to questions using books, tablets or computers *give basic conclusions with simple reasoning

	drawing own tables,		
	deciding how to		
	record		