



	EYFS Nursery	EYFS Reception	<u>KS1</u>		Year 1		<u>Year 2</u>		
Term				Autumn	Spring	Summer	Autumn	Spring	Summer
Autumn:		Autumn:	Overarching	Once Upon	Ready steady	All creatures	Homes and	You're bananas	Science link
Song and Rhyr	ne	Once upon a time	Theme	a time	grow	great and small	Habitats	Can we grow	through
		Which materials keep us dry?		Which	How do plants	What does an	What lives here	bananas in	History key
Spring:				materials	grow?	animal need to	and why?	England?	question.
Once upon a t	ime	Spring: Ready steady grow		keep us		survive?	·		Materials.
		How do plants grow?		dry?					iviaterials.
Summer:									
Amazing Anim	als	Summer: All creatures great and small							
		What does an animal need to							
		survive?							
Working	In EYFS children will be	In EYFS children will be encouraged					should be involved in		ly through:
Scientifically	encouraged to play, observe	to play, observe and ask. Developing					answered in different	ways	
(additionally	and ask. Developing early	early enquiry skills.			using simple equipm	ent			
see	enquiry skills.	What do you see?		orming simple					
assessment	What do you see?	What do you notice?		tifying and cla					
criteria at	What do you wonder?	What do you think?			ations and ideas to su				
the foot of	Children will be encouraged	What do you wonder?		-	ording data to help in				
the	to carry out independent	Children will be encouraged to carry	-		•	fic vocabulary at a	level consistent with	their increasing wo	ord and
document)	exploration.	out independent exploration.	-	-	e at key stage 1				
	What do you think might	Children will develop their	A KS1 scientist						
	happen if?	observation skills thinking about:		•	entific questions				
	From an early age, children	What does that remind you of?			uipment to make obs	ervations			
	seek to explore and	What do you think will happen next?	I know how to						
	understand the world	What do you think might happen		identify and cl		L a code			
	around them. Doing,	if?		•	ers what I have found				
	thinking and talking about	From an early age, children seek to	i know now to	use simple dat	ta to answer question	5			
	science is a key part of the	explore and understand the world							
	EY curriculum. Talk in early	around them. Doing, thinking and							
	science introduces and	talking about science is a key part of							
	consolidates new vocabulary	the EY curriculum. Talk in early							
	and provides opportunities	science introduces and consolidates							
		new vocabulary and provides							





	for children to share ideas and build understanding.	opportunities for children to share ideas and build understanding.							
through science -Learn new voo -Share their ide -Describe even - Use talk to be organise thinki and activities, work and why might happen.	cabulary. eas with others. nts in some detail. elp work out problems and ing and to explain how things they	Children in Reception will be supported through science to: -Learn new vocabularyAsk questions to find out more and to check what has been said to themArticulate their ideas and thoughts in well-formed sentencesDescribe events in some detail Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happenUse new vocabulary in different contexts. Make comments about what they have heard and ask questions to clarify their understanding	Biology	garden plants, trees. Identify and docommon flow. Animals (incluidentify and notice including fish, mammals. Identify and notice including fish, mammals. Identify and notice including and mammals. Identify and notice including and mammals. Identify and notice including and says with each sense. Living things as		and evergreen acture of g trees. amon animals b, birds and ammon animals d omnivores re of a variety of c, reptiles, birds	Plants: Observe and describe mature plants Find out and describe and a suitable tempe Animals (including hand) Notice that animals, which grow into adul Find out about and danimals, including hand food) Describe the importate eating the right amount and hygiene. Living things and hale Explore and compare that are living, dead, alive Identify that most living which they are suited habitats provide for the food animals and plants other. Identify and name as their habitats, includ Describe how animal and other animals, uschain, and identify an food	e how plants need warrature to grow and wmans): including humans, it is escribe the basic near mans for survival (warrature for humans of unts of different type) it to the differences be and things that have ing things live in had and describe how the basic needs of cost, and how they deprove wariety of plants and ing micro-habitats is obtain their food sing the idea of a	water, light stay healthy have offspring eeds of water, air and exercise, bes of food, tween things we never been bitats to different lifferent kinds bend on each d animals in from plants mple food
			Plants		Spring 2 *I know and name a variety of			Spring 2	





			common wild and garden plants. *I know and name the petals, stem, leaves and root of a plant. *I know and name the roots, trunk, branches and leaves of a tree.			*I know how seeds and bulbs grow into plants *I know what plants need in order to grow and stay healthy (water, light and suitable temperature)	
Autumn: Bumblebees: Children will explore a range of material and discuss how and why we might use them. • Explore different materials freely to develop ideas about how to use them and what to make. • Join different materials and explore textures. Honeybees: Explore materials with different properties. Explore natural materials inside and outside.	Autumn 2: Children will explore a range of materials making observations on each materials properties. • Describe what they see, hear and feel while they are outside.	Animals, including humans	Spring 1 I know how to name the human body parts that I can and match senses to body parts.	*I know how to name parts of the human body that I can see *I know how to link the correct part of the human body to each sense. *I know and name a variety of animals including fish, amphibians, reptiles, birds and mammals. *I classify and know animals by what they eat (carnivore, herbivore and omnivore)	Autumn 1 *I know the basic stages in a life cycle for animals (including humans)		*I know why exercise, a balanced diet and good hygiene are important for human





			*I know how to sort animals into categories (including fish, amphibians, reptiles, birds and mammals) *I know how to sort living and non-living things			
	Living things and their habitats			*I identify things that are living, dead and never lived *I know how a specific habitat provides for the basic needs of things living there (plants and animals) *I identify and name plants and animals in a range of habitats *I match living things to their habitat *I know how animals find their food *I name some different sources of food for animals	*I identify and name plants and animals in a range of habitats	





						*I know and can explain a simple food chain. *I match living things to their habitat		
Spring: Bumblebees: Talk about what they see, using a wide range of vocabulary. Explore how things work Honeybees: Explore materials with different properties.		Chemistry	made from Identify and r including woo rock Describe the of everyday r Compare and	etween an object and name a variety of ever od, plastic, glass, meta simple physical prope	ryday materials, al, water and erties of a variety iety of everyday	Everyday materials: Identify and compare everyday materials in glass, brick, rock, pap uses Find out how the sha some materials can b bending, twisting and	cluding wood, meta er and cardboard fo pes of solid objects e changed by squas	al, plastic, or particular made from
Explore natural materials inside and outside.	Spring 1 On the go: Children will learn about their bodies and what we need to keep ourselves healthy. Know and talk about the different factors that support their overall health and wellbeing: - regular physical activity - healthy eating - toothbrushing - sensible amounts of 'screen time' - having a good sleep routine - being a safe pedestrian Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.	Everyday materials	Autumn 2 *I distinguish between an object and the material it is made from *I know the materials that an object is made from *I know the difference between wood,					





Spring 2 Ready steady grow What do plants need to grow? Children will learn about the changes that happen in the Summer including how plants grow. They will explore what plants need to grow: Explore the natural world around them, making observations and drawing pictures of animals and plants Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. 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 the effect of changing seasons on the natural world around them.	Uses of	plastic, glass, metal, water and rock *I know about the properties of everyday materials *I group objects based on the materials they are made from			Summer 1
	everyday materials				When making superhero vehicles, the children will be:





Summer:	Physics	Seasonal cha	1gac'		Seasonal changes:		*I identify and name a range of materials including wood, plastic, metal, glass, brick, rock, paper and cardboard *I know why a material might or might not be used for a specific job *I know how materials can be changed by squashing, bending, twisting and stretching
Summer: Bumblebees:	Physics	Observe chan	nges: ges across the four so describe weather ass now day length varies	ociated with the	No specific content or referred to continual	overage however the ly as the seasons ch	nis will be nange





Children will learn about a range of different	Summer 2	Seasonal	*I observe and	*I observe and	*			
animals. They will also look at plants and	All creatures great and small	changes	know about the	know about the	observe			
learn how to care for plants.	How are animal homes different to		change in the	change in the	and			
	where I live?		seasons	seasons	know			
 Plant seeds and care for growing 			*I name the	*I name the	about			
plants.	Children will learn about a range of		seasons and know	seasons and	the			
Explore and talk about the forces	different animals and learn about		about the type of	know about the	change			
they feel.	where different creatures live. They		weather in each	type of weather	in the			
,	will be able to talk about the		season	in each season	seasons			
Honeybees:	differences between their own				*I name			
,	environment and those of animals.				the			
Explore materials with different properties.					seasons			
Explore natural materials inside and outside.	-Explore the natural world around				and			
	them.				know			
	-Recognise some environments that				about			
	are different to the one in which they				the type			
	live.				of			
	-Know some similarities and				weather			
	differences between the natural				in each			
	world around them and contrasting				season			
	environments, drawing on their							
	experiences and what has been read							
	in class.							
	-Understand the effect of changing							
	seasons on the natural world around							
	them.							
Impact/key	By the end of EYFS a Reception	Through inves	tigating the knowledg	ge and skills above a	Year 1	Through investigatin	g the knowledge a	nd skills
assessment	Scientist will be able to:	Scientist will b		-		above a Year 2 Scien	-	
criteria:			w how to ask and answ	wer simple scientific	questions		to ask and answer	
	-Make comments about what they	(eg. I ask questions such as: Why are flowers different scientific questions						
	have heard and ask questions to	colours? Why do some animals eat meat and others not?) (eg Why do some tress lose their leaves in						
	clarify their understanding	- Know how to use simple equipment to make Autumn and others do not? How long are						
	_		ervations				I trees? Why do sor	_
	-Manage their own basic hygiene					have under	ground habitats?)	
	and personal needs, including							





dressing, going to the toilet and understanding the importance of healthy food choices. -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	-	(eg. I use a hand lens to see things more clearly; I use binoculars to help me see animals that are in the distance) Know how to carry out simple tests (eg I set up a test to see which materials keeps things warmest; I know if my test has been successful and can say what I have learned) Know how to identify and classify things (eg I group things according to a criteria I have been asked to consider like animals and plants) Know how to explain to others what they have found out (eg I explain to someone what I have learnt from an investigation I have been involved with; I draw conclusions from the answers to the question I have asked) Know how to use simple data to answer questions (eg I use measures (within Yr 1 mathematical limits) to help me find out more about the investigations I am considering)	- -	Know how to use simple equipment to make observations (eg I use equipment such as thermometers and rain gauges to help observe changes too my local environment as the year progresses; I use microscopes that have been created for my age group to find out more about small creatures and plants.) Know how to carry out simple tests (eg with help, I find out how old a tree is; I know how to set up a fair test and do so when finding out about how seeds grow best.) Know how to identify and classify things (eg I group things according to given criteria, ie deciduous and coniferous trees; I classify items such as toys according to the material used to make them) Know how to explain to others what they have found out (eg. I explain to someone why my investigation is fair; I draw conclusions from my fair tests and can explain what I have found out) Know how to use simple data to answer
			-	Know how to use simple data to answer questions (eg. I use measure (within Yr 2 mathematical limits) to help me find out more about the investigations I am engaged with