	Science EYFS					
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Substantive Knowledge	• Explain how I use my arms, legs and chest, giving examples and labelling body parts. • Explain how my hands and feet can be used. • Know what the eyes and nose are, where they can be found on the body and what they are used for. • Explain how ears work, the function of the mouth and the function of hair. • Understand how humans grow, describing changes in the body. • Explain why exercise is good for you. • Understand what first aid is, recalling items from a first aid kit. • Identify and name various fruit. • Understand that fruit can grow on trees and bushes.	• Identify that animals are living things • Know the difference between a living and non-living thing • Explain what some animals' habitats are like and what they need to survive in their habitat • Describe an animal's habitat • Know where some domestic and wild animals live • Explain why birds need to live in a nest • Know the types of food birds feed on • Describe what clothes are needed in rain • Explain the differences	• Describe what happens to the tree during the four seasons • Understand seasonal changes • Decide the most appropriate means of transport for each leg of the journey • Name different types of vehicles • Explain how a machine helps us • Identify some different types of machines • Know what a machine is • Explain why space travel is important • Measure distance • Understand how far planets are from the Sun. • Suggest examples of pushes and pulls • Describe what happens when	• Understand the stages of a chicken's life, including explaining where eggs come from. • Understand the stages of a cow's life, explaining where milk and butter comes from. • Understand the process in making dough • Explain how to measure • Describe the changes the batter mix goes through as it starts to cook • Describe the animals which live on a farm • Explain how some products can be produced by an animal	• Understand more about insects and invertebrates • Describe what a habitat is • Build a habitat for a ladybird • Explain how many legs an insect has • Explain where plants come from • Grow and care for a plant • Explain the life cycle of a plant • Explain what a plant needs to live • Understand a plant grows from a seed • Know the features of a plant • Explain what happens to chocolate when it starts to melt • Explain what happens to chocolate when it starts to become hard	• Explain the effects of coastal erosion. • Describe how coastal erosion occurs • Know what a coastline looks like if it has been eroded • Explain what I need to do to build the perfect sandcastle • Measure sand and water accurately to make an experiment • Measure length • Record data into a graph • Compare different sizes • Identify key senses of the human body, explaining what the senses do and labelling the parts of the body associated with each sense.

• Describe the feel and smell of various fruits. • Identify ways to keep yourself healthy and recognise some healthy food choices. • Name several types of vegetables • Identify three different types of vegetables • Understand which vegetables grow overground or underground •	between rain, ice and water • Understand the role of clouds • Understand wind direction • Describe what causes wind • Recall that wind is the movement of air • Explain what snow is • Understand that snow melts when the weather gets warmer • Describe what happens to the tree during the four seasons • Understand seasonal changes • Identify objects which are the same colour as the colours in the rainbow	pushes and pulls oppose each other • Identify if an action is a push or a pull • Explain what sink means • Explain what float means • Group objects based on whether they sink or float • Understand how a rainbow is formed • Describe what happens to the tree during the four seasons • Understand seasonal changes	• Describe where insects and invertebrates live • Use a magnifying glass to observe insects and invertebrates closely in their habitats • Identify what insects and invertebrates need to survive • Understand which creatures are insects and invertebrates • Name and draw the parts of an insect • Describe the differences between spiders, flies and centipedes • Understand more about insects and invertebrates • Describe what a habitat is • Build a habitat for a ladybird • Explain how many legs an insect has	• Explain what food and products come from sheep • List ways of making a jumper from wool yarn • Explain what makes different materials good reflectors	• Explain how I use my sense of hearing and sight. • Understand the words feel and taste, describing the taste of something and finding objects without seeing it.

Disciplinary Knowledge	• Gather data to answer questions • Use simple equipment. • Create a test to help us understand why we need our eyes and nose. • Create a simple model. • Observe closely, using simple equipment. • Make observation and to suggest answers to questions. • Use simple equipment • Identify and grouping • Identify and classifying.	• Observe closely to make a model of an animal • Observe closely, using simple equipment • Use observations and ideas to suggest answers to questions • Grouping and classifying • Ask questions to find out answers • Make observations and to suggest answers to questions • Making observation over time • Use simple equipment. • Grouping and sorting.	• Identify and classify • Use observations to answer questions. • Gather data to answer questions • Use simple equipment. • Identifying and sorting forces.	• Identify and classifying. • Use simple equipment • Grouping and classifying	• Asking simple questions to discover which items are living and non-living • Use simple equipment • Use observations and ideas to suggest answers to questions • Perform simple tests.	• Use simple equipment • Gather data to answer questions. • Identify and classify. • Compare different sounds • Identifying and grouping. • Ask questions to explore different answers.
Vocabulary	• Arm • Chest • Legs • Jump • Move • Hand • Finger • Feet • Walk	• Living • Puppy • Bee • Chair • Tree • pet • ocean • habitat • desert	• horse riding • bus • transport • bicycle • aeroplane • whisk • wheelbarrow • wheel • trolley	• diet • exercise • tooth • healthy • fuel • chicken • egg • lay • fox	• Plant • Seed • Nutrients • Soil • Water • Plant • Soil • Seed • Stem	• Erode • Cliff • Beach • Ocean • Dune • Sand • Sandcastle • Sculpture • Shovel

• Run • Eyes • Nose • Face • Blink • Colour • Ears • Mouth • Hair • Eyebrows • Teeth • Baby • Food • Grow • Hair • Teeth • apple • orange • pear • strawberry • pick • carrot • potato • peas • marrow • vegetable • plaster • bleed • first aid • cut • 999	• farm • pig • horse • cow • goat • chicken • reptile • museum • lizard • dinosaur • meteorite • Rain • Ice • Rainforest • Cloud • River • Wind • Movement • Air • Rise • Sail • Snowflake • Melt • Snowman • Cold • Cool	• hammer • non-living • car • toy • bike • scooter • Rocket • Firework • Robert Goddard • Travel • launch • Planet • Solar System • Venus • Jupiter • Uranus • push • pull • press • suck • swing • sink • sea • float • plastic duck • boat • Rainbow • Raindrop • Yellow • Arc • Blue • Spring • Summer • Warm	• chick • cow • milk • cream • cheese • butter • noodles • wheat • flour • China • bread • apple • orange • pear • strawberry • pick • carrot • potato • peas • marrow • vegetable • pancakes • lemon • scales • sugar • fry • pig • horse • cow • goat • chicken • ladybird • spider • snail	• pink • Sunlight • Compost heap • Weeds • Garden • Roots • change • solid • liquid • pan • metal • Farmer • Jumper • Cut • Comb • yarn • Sheep • Fleece • Shear • Wool • ball • Aluminium • Smooth • Glass • Polish • mirror	• Bucket • Heel • Ancient • Norfolk • Footprint • Evidence • Senses • Eyes • Sight • Taste • touch • Trumpet • Reed • Ripple • Noise • Vibration • Senses • Hearing • Sight • Sound • Yellow • Smell • Touch • Taste • Orange • Slice

			- Bird - Sun - Autumn - Winter - Snow - Bark - Season	- honey - worm - fly - beetle - insect - ant - mouth - sap - habitat - greenfly - food - toast		

Retrieval Practice Questions

EYFS – Science – Autumn 1			
Week	Retrieval Practice Questions		
1	Last week: N/A		
2	Last week:		
3	Last week:		
4	Last week:		
5	Last week:		
6	Last week:		
WOW days / experiences	• Dentist visit • Visit from School nurse	• Pancake making • Allotment visit • Orchard /fruit picking	• Visit from SJA/Paramedic
EYFS – Science – Autumn 2			
Week	Retrieval Practice Questions		
1	Last week: N/A		
2	Last week:		
3	Last week:		
4	Last week:		
5	Last week:		
6	Last week:		
7	Last week:		
WOW days / experiences	• Bird watching • Falconry experience	• Season walk	

EYFS – Science – Spring 1			
Week	**Retrieval Practice Questions**		
1	Last week: N/A		
2	Last week:		
3	Last week:		
4	Last week:		
5	Last week:		
6	Last week:		
WOW days / experiences	• Visit from Lightening McQueen	• Space centre Leicester • Space Dome	• Seasons walk	•

EYFS – Science – Spring 2		
Week	**Retrieval Practice Questions**	
1	Last week: N/A	
2	Last week:	
3	Last week:	
4	Last week:	
5	Last week:	
WOW days / experiences	• Cooking •	• Farm visit	• Bugtopia visit

EYFS – Science – Summer 1		
Week	**Retrieval Practice Questions**	
1	Last week: N/A	
2	Last week:	
3	Last week:	
4	Last week:	
5	Last week:	
6	Last week:	
WOW days / experiences	• Planting seeds	• Melting chocolate to make crispy cakes
EYFS – Science – Summer 2		
Week	**Retrieval Practice Questions**	
1	Last week: N/A	
2	Last week:	
3	Last week:	
4	Last week:	
5	Last week:	
6	Last week:	
7	Last week:	
WOW days / experiences	• Visit Beach • Beach experience day	• Senses walk • Food tasting session • Orchestra