	Date	Topic	Vocabulary	Year 1 extension	Year 2 extension	Science talk
Autumn 1 Animals (including Humans, Year 1 WR objective)	w/c 7th September	Mammals	animal mammal fur wild mammal pet	Does a ____ have fur? Is a _____ a mammal? Can all mammals be pets?	Can all mammals live in the wild? How do you know?	Why do mammals have fur?
	w/c 14th September	Birds	bird wings beak feathers flipper webbed feet	Is a _____ a bird? Both birds have…	Can all birds fly?	Something that is similar about these birds is… Something that is different about these birds is…
	w/c 21st September	Fish	fish fin tail scales gills	What do fish have to help them swim?	What do fish have to help them breathe underwater? How is a fish different to a mammal?	How is a fish similar to a bird?
	w/c 28th September	Amphibians	amphibian frog toad newt webbed feet	Where do amphibians live?	What are the differences between a fish and an amphibian?	Are all animals the same?
	w/c 5th October	Reptiles	reptile scales lizard crocodile turtle	Does the reptile live on land or in the water?	What is different about these reptiles?	"I classified it as a reptile because…"
	w/c 12th October	Carnivores	animal carnivore sharp teeth wild animal pet	What do carnivores eat?	Explain how teeth help animals to eat meat.	"I know that a carnivore is a meat eater because…"
	w/c 19th October	Herbivores and	animal herbivore plants	Is a _____ an omnivore or a herbivore?	Compare diets of	"I classified it as a carnivore/omnivore/herbivore because…"

		Omnivores	vegetable fruit omnivore carnivore herbivore		different animals.	
Autumn 2 Season – Autumn Everyday Materials (Y1 WR objective)	w/c 2nd November	Forest school – observing changes in Autumn. See slides before going outside.				
	w/c 9th November	Wood, plastic, glass and metal	material soft hard shiny dull	This one is the odd one out because....	Describe the similarities and differences between different materials.	"The window is made from glass because...." "The box is made out of plastic because...."
	w/c 16th November	Rock	rock heavy light rough smooth	Which rock is heavier? Which rock is lighter?	How would you describe the texture of this rock?	Why is rock a good material for....?
	w/c 23rd November	Objects and materials	object material metal wood plastic glass rock wool	Can you find another object that is made from? Why is it a good material to make ____ from?	How could we sort these objects in a different way?	I can classify this material as _____ because I know it is strong enough for _____.
	w/c 30th November	Melt and freeze	solid liquid melt freeze ice	What happens to water when it is put in the freezer? What happens to ice when it is heated?	How could we remove the toy from the ice? What would be the quickest way to melt the ice?	I know that melting and freezing are reversible changes because...
	w/c 7th December	Float or sink?	heavy light float sink material	Why do you think these objects will float or sink?	How would you know if an object	I can explain why _____ will float or sink.

					was floating? How would you know if an object sunk?	
Spring 1 Materials continued Season – Winter	w/c 4th January	Does it absorb water?	absorb variables	What material is this? What does it feel like?	Which material will absorb the most amount of water? Which material will absorb the least amount of water?	I can explain what has happened to the water in the material…
	w/c 11th January	Investigate materials.	transparent opaque	Which material will be the best for a set of curtains?	What did we keep the same in the experiment? What did we change?	Describe the difference between opaque and transparent.
	w/c 18th January	Observing changes in seasons and weather.	winter daylight weather night season	How many seasons are there in one year? How does daylight change in the winter?	How is the weather similar to autumn? How is the weather different to autumn?	Observing changes across the four seasons.
	w/c 25th January	Investigating rain fall in the winter	rainy snowy windy cloudy frosty sunny	Why do you think there are fewer animals in the winter?	Why are there fewer daylight hours in winter?	Gathering and recording data to help in answering questions.
	w/c 1st February	Forest school – observing changes in the seasons.				
	w/c 8th February	Forest school – observing changes in the seasons.				

Spring 2 Season – Spring Plants (Y1 WR objective)	w/c 22nd February	Plant parts	flower petals leaf stem roots	Cut and label the plant parts in groups. Do all plants have the same parts?	Sort the individual plant parts into headings on paper plates, Roots, stems, flowers and leaves. How could we have sorted the plants into different groups?	Describe the similarities and differences between the different plant parts.
	w/c 1st March	Tree parts	leaf trunk branch roots fruit	What parts do all trees have?	How could we sort trees into different groups?	What is similar between a plant and a tree? What is different between a plant and a tree?
	w/c 8th March	Changes in spring	spring daylight night day weather season	What happens to some trees in spring?	How does the daylight change in spring?	Making observations of changes across the 4 seasons.
	w/c 15th March	Changes in the weather in a season	rain sleet cloud sun wind snow	Have you spotted more animals in spring? Is the weather the same as yesterday or different?	How is the day length changing in spring in comparison to winter?	Making comparisons across the seasons. Observing and describing the changes in weather across the seasons.
	w/c 22nd March	Forest school – observing changes in the seasons and weather.				
Summer 1 Plants continued Season – Summer	w/c 12th April	Deciduous and Evergreen trees	Deciduous tree leaf Horse Chestnut Oak	Which type of tree has leaves that change colour? Which type of tree has	Are the leaves on Deciduous and Evergreen trees the	Identify and classify different trees and the leaves that grow on the trees.

			Sycamore Evergreen trees Pine trees Holly branch needles	leaves that stay the same colour all year?	same shapes?	
	w/c 19th April	Wild and garden plants	Wildflower daisy garden plant sunflower	Where would you find the plants?	Which type of plant did you find the most of?	What groups could we sort the plants into?
	w/c 26th April	Forest school – observing changes in the seasons and trees.				
	w/c 3rd May	Observing changes in summer	summer daylight weather night season	What is happening to the plants in this season?	Why are more animals active in this season?	What are the main changes in each season?
	w/c 10th May	Collecting and recording data	rainy windy cloudy sunny daylight record weather	Which season is the warmest? Which season is the coldest?	Is the weather the same all year round?	What are the main changes in each season?
	w/c 17th May	Forest school – observing changes in the seasons and trees.				
	w/c 24th May	Describing changes in seasons	winter autumn spring summer season	Which season is it next?	What happens in _____ but not in any other season?	Using observations to give answers to questions.
Summer 2 Working Scientifically investigations	w/c 7th June	Working Scientifically	Timers Exercise Prediction	What makes you think that?	Do you think older or younger children would be able to do the most? Why?	Were any of your predictions correct?

	w/c 14th June	Working Scientifically	Timers Prediction Materials	Which material is best for a timer?	Why do you think different materials are better?	Were any of your predictions correct?
	w/c 21st June	Working Scientifically	Shadow Timer Measuring	What time of day will the shadow be the longest/shortest?		Were any of your predictions correct?
	w/c 28th June	Working Scientifically	Colour mixing Materials Absorbent	Why does the colour move?	Which other materials might absorb water to change the colour?	Were any of your predictions correct?
	w/c 5th July	Working Scientifically	Colour mixing Materials	Why does the water change colour?	Can you think of any other sweets this may happen with and why?	Were any of your predictions correct?