

SEASONAL CHANGES

EXPLORIFY RESOURCES

Curriculum statements	Explorify activities – see codes below	Suggested use / Taking it further
Weather		
<p>Play and explore outside in all seasons and in different weather</p> <p>Reception (England) Observe and describe weather.</p> <p>KS1 (England) While learning outdoors in differing weathers, I have described and recorded the weather, its effects and how it makes me feel and can relate my recordings to the seasons.</p> <p>Early (Scotland) By using a range of instruments, I can measure and record the weather and can discuss how weather affects my life.</p> <p>First (Scotland)</p>	<p>Gone out wearing the wrong coat HYE</p> <p>Like a flash- rain and thunder LWCYH</p> <p>White and spikey – frost ZIZO</p> <p>Wonderful Weather - different types of weather WGO</p>	<p>The class could record what the weather is like each day and make a display. Take photos of the children throughout the year to allow them to compare what they were wearing in the different seasons. You could position a rain gauge outside, so that children can check the amount of rainfall each week or month. This video showing how to make a rain gauge out of a plastic bottle. The children could then make a simple pictogram or bar graph. Similarly, you could check and record the temperature each day.</p> <p>For the children to see the wind, you could make a windsock to hang outside the classroom.</p> <p>If you know the temperature is likely to fall below freezing overnight, the children could make ice mobiles which look lovely hanging in trees, or outside the classroom window.</p> <p>The children could also have fun being weather forecasters and recording their own weather forecasts.</p>
Seasons in general		
<p>Play and explore outside in all seasons and in different weather</p> <p>Reception (England) observe changes across the four seasons</p>	<p>Gone to bed when it was still light outside HYE</p> <p>Three seasons – a tree in three seasons. OOO</p> <p>Mellow yellow - daffodil, sunflower and Autumn leaves OOO</p>	<p>Seasonal change should be observed and taught across the whole year, not as one single block in a half term.</p> <p>Children need to observe each season and compare it. You could take a photograph of your class in front of a particular tree every month/season to record the change that occurs. Make sure the tree is deciduous – if it has spring blossom even better.</p>

associated with the seasons and how day length varies. KS1 (England) I can identify, follow and begin to create sequences and patterns in everyday activities. PS1 (Wales)	Seasons WGO	The Woodland Trust have some great videos of different species of trees changing over the year. Get children to discuss what if we only had one season and to spot the different seasons in the What's Going On: Seasons Use the Have You Ever to draw attention to how the length of the day changes across the year and regularly record as a class whether it was light when they got up/went to bed.	
	What if there was only one season? WI		
	What if a year of Earth was the same length as one on Mars? WI		
Spring			
Observe living things throughout the year Reception (England)	Flowers in spring OOO	Use the activities as a launch pad to getting outside and search for spring flowers and blossom. You could use the different spotter sheets on the Woodland Trust or RHS websites. You can make your own spotter sheets to reflect what is seasonal that week using an app like PlantNet to help you identify unknown plants. Liaise between different year groups to ensure children are visiting different places each year and doing slightly different activities. If you have a pond nearby look for frogs and signs of frogspawn, or head to a canal or river for signs of ducks sitting on eggs or to see baby birds on the water. Visit new borns at a local farm. The clocks change in March, so children should observe how the days are gradually getting lighter. Discuss was it light when they got up? Repeat this question throughout the year.	
	Baby birds OOO		
Tiny teeth - tadpoles ZIZO			
Observe changes across the four seasons KS1 (England)	Spring flowers WGO		
	Sprouting shoots WGO		
	Growing seeds WGO		
Understand that some things change over time FS (N Ireland)	Flowers in spring WGO		
	Special delivery WGO		
Learn about: <ul style="list-style-type: none"> animals that migrate. changes in the natural environment including how they can affect living things. KS1 (N Ireland)	Summer		
	Sharing is caring LWCYH		
	In the shade OOO		
	Spectacular spheres - daisy ZIZO		
	Red and bumpy - strawberry ZIZO		
	Three weeds OOO		
	Busy bee WGO		
	Buzzing with life – various insects in a wild meadow WGO		
	Spectacular scales - butterfly ZIZO		
	Massive migration - butterflies ZIZO		
	Very hungry caterpillars WGO		

Friends of flowers – butterfly, ladybird and spider	OOO	
Autumn		
Falling into place	WGO	<p>Autumn is a great time for scavenger hunts with children collecting autumn leaves, conkers and other seeds and berries.</p> <p>Children can make leaf puppets with autumn leaves. They can learn about the animals like hedgehogs that hibernate over winter.</p> <p>Children could make clay hedgehogs with pipe cleaners for the spikes and make a leaf den for them to hibernate in.</p> <p>You can also plant bulbs that will flower in Spring.</p> <p>They could also learn about the birds that migrate in autumn for warmer climates.</p> <p>The clocks change at the end of October so get the children to observe the mornings and evenings gradually getting darker.</p>
Rich pickings	WGO	
Squirrelling away	WGO	
Bonkers conkers	WGO	
Autumn leaves	OOO	
Seeds of life - conker, sunflower seed and broad bean	OOO	
Hungry hedgehog	WGO	
Winter		
Green pattern	ZIZO	<p>This is the ideal time for children to compare deciduous and evergreen trees. Take children out looking at trees and make a tally chart of both kinds. They could make a drawing of each and use their tally chart to make a bar graph or pictogram.</p> <p>December 21 is the shortest day of the year, so again revisit the length of the day and whether it was getting dark as they went home from school.</p> <p>Birds will need help feeding at this time of year so children can make simple bird feeders. The Woodland Trust has a range of winter activities.</p> <p>Can the class to think about What if winter never ended?</p>
Brown seeds - pinecone	ZIZO	
Winter seeds	OOO	
Evergreen - conifer, holly and ivy	OOO	
What if winter never ended?	WI	
Sleepy heads – hedgehog, bear and bat hibernation	OOO	

Explorify Activity Codes		
Visually-engaging close-up photos...	ZIZO = Zoom in, zoom out	OOO = Odd One Out
Short, distraction-free videos...	WGO = What's going on?	MB = Mystery Bag
Plan an investigation...	TBQ = The Big Question	PS = Problem Solvers
Identify by sound alone...	LWCYH = Listen, what can you hear?	MS = Mission Survive
		Fun, imaginative, hands-on challenges...

HYE = Have you ever? Put children's everyday experiences at the centre...	WI = What if? Place ideas in new contexts...
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Useful other resources to support planning can be found at: [PLAN primary science assessment resources \(planassessment.com\)](https://planassessment.com) and [Assessment \(TAPS\) - Curriculum Materials | Primary Science Teaching Trust \(pstt.org.uk\)](https://pstt.org.uk) [The Great Science Share 2022](#) has some good videos on Scientific Enquiry under the tab "Great Science Skills".