

Science Reception MTP Autumn 2023 Autumn is Here

<p>Children will learn to:</p> <ul style="list-style-type: none"> Describe the signs of autumn using vocabulary from first-hand experience, books, songs, rhymes and poems Explain the changes that happen in autumn in relation to their environment- the clothes they wear, the weather, the plants, the animals Use their senses to make observations and learn about the world around them Use a hand lens to make observations Identify and sort based on simple categories Label the properties of an autumn object 	<p>Key Vocabulary</p> <p>Season, autumn, autumnal, senses, conker, pine cone, acorn, oak tree, conifer, branches, leaves, falling, swirling, drifting, colourful, crisp, crunchy, rustling, spiky, prickly, soft, hard, bumpy, smooth, glossy, shiny, round, shell, red, crimson, gold, brown, mahogany, yellow, orange, foggy, misty, damp, chilly, cool, cold, grey</p> <p>harvest, hibernate, gather, bury, store, woodland creatures,</p> <p>migrate to a warmer climate</p>	<p>Send home booklet of autumn poems</p> <p>Collection of non-fiction books available to take home</p> <p>Poems and songs</p> <p>Autumn is Here, Doctor Foster, It's Raining, It's Pouring, Autumn Leaves, Conkers</p> <p>Stories</p> <p>Autumn is Here by Heidi Pross Gray</p> <p>Autumn by Ailie Busby</p> <p>The Squirrels Who Squabbled by Rachel Bright</p> <p>Pumpkin Soup by Helen Cooper</p> <p>Autumn by Gerda Muller</p> <p>Let it Fall</p> <p>Non-Fiction</p> <p>What to Look For in Autumn</p> <p>Let's Look at Autumn</p> <p>Autumn (Seasons of the Year)</p> <p>Seasons</p>
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	Key Questions	Teach knowledge	Disciplinary knowledge	Children demonstrate understanding
	<p>What happens in autumn?</p> <p>How do you know it is autumn?</p> <p>What happens to the trees in autumn?</p> <p>What does it look/feel/smell like?</p> <p>Can you sort the objects?</p>	<ul style="list-style-type: none"> Go outside for first hand experiences. Children crunch the leaves, jump in the leaves. Discuss new vocab and talk about what they can hear, feel, see. What is happening to the leaves on the trees? How could you describe the leaves when they fall? Read poem- <i>Autumn Is Here</i>. Children practise first verse in pairs. New vocab- 'falling' 'swirling' 'drifting'- Explore the meanings, modelling using the leaves. 	<p>Children use their senses to make observations about their environment and describe autumn objects</p> <p>Range of autumn objects available to explore and describe</p> <p>Time lapse videos of trees changing through the seasons- when is It autumn? How do you know?: https://www.youtube.com/watch?v=ZdsJBAqHlzA https://www.youtube.com/watch?v=bnwiPETX7Jw</p>	<p>Children can:</p> <ul style="list-style-type: none"> Recite an autumn poem Explain that the leaves on the trees change colour in autumn and fall to the ground Describe the colours of the leaves Name the autumn objects that fall from the trees Name their 5 senses

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		<ul style="list-style-type: none"> • Collect leaves from the school grounds and bring in from home- describe colours- Red, gold, brown • Use a range of books to support the teaching of autumn- fiction and non-fiction. Model how to use vocabulary from the books to describe autumn and make observations. • Model how to sort autumn objects using taught vocabulary- spiky/not spiky. Smooth/not smooth 	<p>Teach children how to use a hand lens to see the autumn objects clearly. Explain how the hand lens magnifies (makes the object look bigger) so we can see small details more clearly. Use test dishes (with magnifying glass on top) to collect autumnal objects.</p> <p>The children sort autumn objects based on simple criteria- 'spiky/not spiky'</p> <p>Labelling the properties of an autumn object- using taught vocabulary and a word bank to support</p> <p>Compare photos and videos of the school grounds at different time of the year</p>	<ul style="list-style-type: none"> • Describe autumn objects using their senses and taught vocabulary from discussion, books and poems • Sort objects based on simple criteria • Label the properties of an autumn object
1	<p>What happens to the weather in autumn?</p> <p>How has the weather changed from summer?</p> <p>What can you see/hear/smell/feel...?</p> <p>What do you wear in autumn?</p>	<ul style="list-style-type: none"> • Discuss and ask questions about the change in weather from summer to autumn. • Read Autumn is Here- Verse about Foggy mornings. New vocab- Foggy, damp, cold, grey, wet. 'Natures blanket, clouding the day' • What have you worn today to keep you warm? • Compare and sort clothes worn in summer and autumn • Days are getting shorter- it's taking longer for the sun to rise in the morning. Darker early in the evening. Share own experiences- driving to work in the dark- car lights on, streetlamps... 	<p>Describe the weather using senses- What can you see/hear/smell/feel?</p> <p>Use Ipads to take photos of the outdoor area to record changes in the weather- rain, fog, damp, windy</p>	<p>Children can:</p> <ul style="list-style-type: none"> • Recite an autumn poem • Describe the change in weather from summer to autumn • Describe the weather using their senses and taught vocabulary • Explain what they wear in autumn to keep them warm • Explain that the days are starting to get shorter in autumn

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<p>3</p>	<p>What do the animals do in autumn?</p> <p>What do they do with the food?</p> <p>Why do they need to store food ready for winter?</p>	<ul style="list-style-type: none">• Read <i>The Squirrels Who Squabbled</i>• Discuss- The squirrels have been busy gathering food during autumn to store for winter. What do they do with the food?• Why do they need to store food ready for winter?• Compare trees in autumn and winter- the branches are bare, very little food available- Look at pictures in books, videos• Hibernation- some animals hibernate as the weather gets colder and food becomes more scarce• Birds migrate to a warmer climate when the weather gets colder in autumn	<p>Squirrels gathering nuts to store for winter- https://www.youtube.com/watch?v=IOztBBh6dEA https://www.youtube.com/watch?v=HGwMo7Psg0s</p> <p>Use a range of sources- books, internet.. to find out which animals hibernate</p>	<p>Children can:</p> <ul style="list-style-type: none">• Name a range of woodland creatures• Explain how animals gather and store food ready for winter• Explain the term- hibernate, name some animals that hibernate and why they hibernate
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