

Pioneer Federation
Medium term plan
Cycle 1, Term 6
KS1 Science


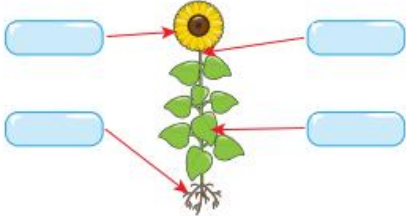


Subject: Science			
Key Concept/ Theme: Plants			
Prior Learning links: EYFS – Term 5 Glorious Growing			
Vocabulary plant – a living organism tree – a woody plant deciduous – a tree that loses its leaves annually evergreen – a tree the does not lose its leaves flower – the seed bearing part of a plant that is usually surrounded by brightly coloured petals roots – the part of the plant that attaches into the ground for support and nutrient collection stem – the main stalk of a plant leaf – part of a plant that is typically flat and hangs off the stem			
School specific areas to cover (Add in any local areas of study, trips and people)			
CP Consider links with Forest School		EH Consider links with Forest School	
SMV Consider links with Forest School		PM Consider links with Forest School	
1.	Prior learning reconnection (year group, cycle & term): LO: We are learning to identify the parts of a flower. Activity ideas to achieve the LO: Starter- What do they know about plants, what can they remember from EYFS and Year 1? Compare plants to humans, why do we need different body parts for different jobs, plants are like us. Discuss the different parts of a flower and what their job is for that plant:		

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	<p>Roots Stem Stalk Leaves Buds and flowers</p> <p>Use actual plants and flowers to dissect and the children to discuss what that part is.</p> <p>- putting the flowers in different coloured water to see what this does to the flower petals. this can be done at the end of the session as the plenary and they can have one set to observe. I am going to give them the two stickers to stick under their work from today and then ask them to write one sentence about what they think will happen..</p> <p>End point: To identify and describe the roots, stem, trunk, leaves and flowers of plants and trees in the local area.</p>
2.	<p>Prior learning reconnection (year group, cycle & term): LO: To identify and name wildflowers in the local area.</p> <p><i>Activity ideas to achieve the LO:</i></p> <p>Today we are going to think about where plants grow and learn the names of the different types of plants.</p> <p>Look at photos of different plants, then ask where are they growing? In a garden and wild flowers. How did they get here?</p> <p>Look at different types of wild flowers, poppies, blackberry bushes, cornflower, buttercup and foxglove. Discuss which is their favourite flower and which is their least favourite.</p> <p>Then take the children on their own wildlife flower hunt to see what they can find.</p> <p>End point: To name and identify wild flowers growing the local area.</p>
3.	<p>LO: To identify and discuss weeds.</p> <p><i>Activity ideas to achieve the LO:</i></p> <p>Think about Scientific questioning – I wonder why? What happens if? Do you think? How will we find out?</p> <p>Remind the children of the jobs each of the flowers do</p> <p>Watch this video of Monty Don - https://www.bbc.co.uk/programmes/p06mj8fp</p> <p>Get the children to experiment with different weeds on the playground – does longer leaves mean longer roots?</p> <p>Can they identify the different weeds as they experiment with them</p> <p>End point: To be able to identify different weeds and their features.</p>
4-	<p>LO: To identify how plants grow and survive.</p> <p><i>Activity ideas to achieve the LO:</i></p> <p>https://www.bbc.co.uk/teach/class-clips-video/articles/zs4cdnb https://www.bbc.co.uk/bitesize/topics/zpxnyrd/articles/zkp2jsg</p> <p>Get the children to plant runner bean seeds and monitor how they grow</p> <p>Go through steps to grow a runner bean seed</p>

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	<p>You could get the children to plant other seeds and see how they grow. https://www.bbc.co.uk/programmes/p00q4wny End point: to be able to discuss how plants and seeds grow and survive.</p>
5.	<p>LO: We are learning about seeds in fruit and vegetables and how they grow. <i>Activity ideas to achieve the LO:</i> Look at pictures of different fruits and vegetables and discuss them. Then as a class dissect different fruits and veg and identify how many seeds they have Discuss which part of different fruits and vegetables we eat End point: to identify how seeds in fruits and vegetables grow.</p>
Assessment lesson	<p>1. Circle the plants.</p>  <p>2. Label the parts of this plant.</p>  <p>3. Name 2 plants that we eat.</p> <p>1. _____</p> <p>2. _____</p> <p>4. Complete these sentences.</p> <p>The _____ is brightly coloured to attract birds and insects.</p> <p>The _____ takes in water and nutrients from the soil.</p> <p>The _____ catches sunlight so the plant can make its own food.</p> <p>The _____ holds the plant up.</p> <p style="text-align: center;">flower, root, leaf, stem</p>

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Things to note:

For a 6 week term 4 lessons and an assessment

For a 7/8 week terms 5 lessons and an assessment

Adaptions:

- Use of floor book to show the class learning during the term
- Consider taking photos of pupils completing work on big pieces of paper.
- Take the children outside of the classroom to look at plants in the outside spaces, have some flowers growing in your outdoor area.