



Year: 1	Big Question: What are plants and what do they need to grow?
Context	Prior units and knowledge: Plant seeds and care for growing plants (Nursery – Plants); Understand the key features of the life cycle of a plant
and curricular	and an animal (Nursery – Plants); Begin to understand the need to respect and care for the natural environment and all living things. (Nursery
links	– Plants); Explore the natural world around them (Reception – Living things and their habitats); Recognise some environments that are
	different to the one in which they live (Reception – Living things and their habitats).
	water light and a suitable temperature to grow and stay healthy (V2 - Plants): Identify and name a variety of plants and animals in their
	habitats, including microhabitats (Y2 - Living things and their habitats): Identify and describe the functions of different parts of flowering
	plants: roots, stem/trunk, leaves and flowers (Y3 - Plants); Investigate the way in which water is transported within plants (Y3 -
	Plants).
School values,	Fairness: Fairly treating all living things.
spirituality and	Acceptance: Accepting that sometimes, plants die due to lack of nourishment and the wrong conditions.
school vision	Perseverance: Persevering when waiting for bulbs to grow in the springtime.
Our vision is for all children to believe	Respect: Respect for nature – admiring and observing flowers without picking them.
	Forgiveness: Forgiving the cold weather for damage it can often cause – killing / damaging plants (farmers).
I am loved. I am accepted.	Positivity: Positively anticipating spring and the new life.
I can grow. I can do it.	
Key Milestones	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.
for the unit	Identify and describe the basic structure of a variety of common flowering plants, including trees.
	Ask simple questions and recognise that they can be answered in different ways.
	Gather and record data to help in answering questions.
	Identify and classify.
	Observe closely, using simple equipment.
	Use observations and ideas to suggest answers to questions.
Essential	Common Misconceptions:
Information for	 plants are flowering plants grown in pots with coloured petals and leaves and a stem
Teachers	trees are not plants
	all leaves are green
	all stems are green

	a trunk is not a stem					
	blossom is not a flower					
'Golden Nuggets' To be reviewed orally at	Week 1 Week 2 Week 3 Week 4 Week 5 Week 6					
the beginning of each lesson and accumulate	Oral Golden Nugget Q&A	gel Q&A				
across the uni	based on previous unit	us uni l				
	Lesson I Oral Golden Nugget Q&A Dral Golden Nugget Q&A based on Lesson I Oral Golden Nugget Q&A based on Lesson I Dased	gel Q&A ison I				
	'Exit Ticket' Lesson 2 Oral Golden Nugget Q&A based on Lesson 2 Or	gel Q&A son 2				
	'Exit Ticket' Lesson 3 Oral Golden Nugget Q&A Oral Golden Nugget Q&A Oral Golden Nugget Q&A based on Lesson 3 based on Lesson 3 based on Lesson 3 based on Lesson 3	gel Q&A son 3				
	'Exit Ticket' Lesson 4 Oral Golden Nugget Q&A based on Lesson 4 Oral Golden Nugget Q&A based on Lesson 4	gel Q&A son 4				
	'Exit Ticket' Lesson 5 Oral Golden Nugg based on Less	gel Q&A son 5				
	'Exit Ticket' Lesson 6 Full Q&A assessment of Gap lesson 'Golden Nuggels' over Informed by Fir the five lessons recorded Ticket' and te in books assessment over	5 in nal 'Exit iacher 5 weeks				
'Golden Nugget' based	What do plants and trees look like?					
on previous unit	Plants and trees can have various parts: leaves, flowers, stems, roots, branches, trunk.					
'Golden Nugget' based	Are all plants the same?					
	All plants are made up of similar parts, but they often look different. They may: be different sizes; have different sized and shaped leaves;					
	have different sized, shaped and coloured petals; have flowers; have no flowers; and have different textures.					
on Lesson 2	Are all seeds and bulbs the same?					
Golden Nugget' based	Seeds and bulbs can come in all sizes, snapes, colours and textures.					
on Lesson 3	what are the main parts of a flowering plant?					
'Golden Nugget' based	Leaves, nowers, stem, roots, inut					
on Lesson 4	Wild plants: daisy dandelion, buttersup, nottles, grass					
	Garden plants: rose, papsy, iris, sunflower, sweet nea, lavender, clover, grass					
'Golden Nugget' based	Are all trees the same?					
on Lesson 5	Evergreen trees keep their leaves all year round: deciduous trees shed their leaves during the autumn.					

'Golden Nugget' based	What foods can we get from plants?
on Lesson 6	All of the fruit and vegetables we eat come from plants. Fruit that grows from some plants contains their seeds, which, if planted, can grow
	into new plants with more fruit. All fruits (apart from peanuts – yes, they are a fruit!) grow above ground. Vegetables come from different
	parts of the plant. Sometimes we eat the whole plant; sometimes we can only eat part of it.
'Golden Nugget' based	How can we sort and compare plants?
	What size the leaves are
	Whether they have leaves or spines
	Whether they have flowers
	What colour the flowers are
	Whether they are evergreen or deciduous
	Whether they are fruits or vegetables
	Whether they grow below ground or above ground
	Whether they are wild or garden plants
	Whether they have branches
	Whether they have berries
	Whether they have a trunk or a stem
'Golden Nugget' based	Do all plants grow in the same way?
	If they have what they need, plants will grow, but all plants look different and grow at different rates.
'Golden Nugget' based on Lesson 9	What do beans need to grow?
	Beans require sunlight, soil and water to grow successfully.

Week 1	Key Question for Lesson 1: Are all plants the same?	Key Vocabulary
Key Milest	one: Identify and describe the basic structure of a variety of common flowering plants	• plants
Secondary	Milestone: Observe closely, using simple equipment	• planting
Posourcos	magnifying glasses. 5 different types of fully grown plants (could use photo pack, but real plants are better)	• grow
Resources	. magnifying glasses, 5 different types of fully-grown plants (could use photo pack, but real plants are better)	• soil
- Rememb	er It: Before any discussion or input, get the children to complete the 'prior unit exit ticket', detailing what they	• pots
believe a p	ant and a tree to look like. Remind them to include all of the parts they observed in Foundation Stage. Once	observations
completed	independently, discuss this as a class, showing either fully-grown plants brought in or images from the photo	• similar
раск. Сал	you name any of these plants?	different
		Evaluation

- Perfect Plants: Introduce the Perfect Plants eBook, whether this be on the screen or printouts of the PDF version. Share read up to the end of page 4 and discuss what the children would like to learn more about. Record some class questions on your curriculum display board if that's how you use it.	
- Comparing Plants: Discuss the definitions of the key words 'similar', 'different' and 'observation'. As a class, come up with some suggestions of what they could observe when they look at the plants. Assign different tables a different type of plant and allow groups to move to one station at a time (or move the plants instead) to observe the plants – use magnifying glasses to observe small details. Supply the children with word banks to use (verbally) when observing the different types of plant. Encourage the children to look carefully at the plants, observing their colour, size, shape and texture. Take photographs of the activity to stick in their books as evidence.	
If you're using live plants, ensure that the children understand how to handle them, are supervised doing so, and are reminded <u>not</u> to taste or eat part of the plant.	
- Similar or Different?: Come back together as a class and share observations – allow the children to bring their word mats to the carpet. Which plants are the most similar? Why do you believe this? Which plants are the most different? How? What observations did you make? Are all plants the same? Why not?	
Cross Curricular Links	
English: Shared reading	
'Exit Ticket'	
Children draw some of the observations they made: the different shaped / sized leaves or petals etc., showing that not all plant	ts are the same.
Draw your plant observations:	

Week 2

Key Question for Lesson 2: Are all seeds and bulbs the same?

Key Vocabulary

Key Milestone: Identify and describe the basic structure of a variety of common flowering plants	
Secondary Milestone: Observe closely, using simple equipment	• plants
Secondary Milestone. Observe closely, using simple equipment	• seeds
Poseurces: water labels magnifying glasses, different seeds and hulbs for planting (suggested; beans, tematees, sunflewer,	• bulbs
carret	• planting
duick grow soled seeds wildflower seeds opion garlic) seeds and bulbs for observing (could use photo pack) nots soil	• grow
quick grow salad seeds, which ower seeds, offich, garney, seeds and builds for observing (could use photo pack), pots, soli.	
- Concent Cartoon: Display a nicture of a person / character stating that "all plants are the same" Do you garge or disgarge?	• 3011
What evidence do you have? Children to 'prove it' recalling what they observed last lesson	• pots
	observations
- Observing Seeds and Bulbs: Share read information about seeds and bulbs (see slides 15-18 of PPT in '1 – Making	• similar
Observations' folder)	different
- Comparing Seeds and Bulbs: Review the definitions of the key words 'similar' 'different' and 'observation' As a class	Evaluation
come up with some suggestions of what they could observe when they look at the seeds and bulbs. Assign different tables a	
different type of seed or hulb and allow groups to move to one station at a time (or move the seeds and hulbs instead) to	
observe the seeds and bulbs – use magnifying glasses to observe small details. Supply the children with images of what the	
seeds and hulbs grow into along with word banks to use (verbally) when observing the different types of seed and hulb	
Encourage the children to look carefully at the seeds and hulbs, observing their colour, size, shape and texture. Take	
photographs of the activity to stick in their books as evidence	
- Similar or Different?: Come back together as a class and share observations – allow the children to bring their word mats	
to the carpet What observations did you make? Are all seeds and bulbs the same? Why not?	
Please be aware than some bulbs can cause skin irritation and are poisonous. It is important that all children are supervised	
by an adult and advised that the children do not handle the hulbs independently	
- Planting Seeds: Explain to children that they will be planting seeds or bulbs to observe growing over the next few weeks	
Children draw and label the seeds or bulbs they will be planting on page 2 of their Plant Diary (see resource in '1 – Making	
Observations' folder) After share read and follow the instructions (see slide 22 of PPT in '1 – Making Observations' folder)	
to plant the seeds. Depending on resources, you may wish for children to plant a seed each, in small groups or one as a	
whole class.	
When planting the seeds, ensure that children are well-supervised and remind them not to put any of the seeds near or into	
their mouths and to wash their hands thoroughly once they finish planting.	
- Plant Diary: Children draw how their plant looks today in their Plant Diary.	



Week 3 Key Question for Lesson 3: What are the main parts of a plant?	Key Vocabulary
Key Milestone: Identify and describe the basic structure of a variety of common flowering plants, including trees	• roots
Secondary Milestone: Observe closely, using simple equipment	• stem
Descurses fully group flowering plants that are posily governed from their pote	leaves
Resources: runy-grown nowening plants that are easily removed from their pots	• flowers
- Remember It: Allow children to observe their growing seeds and compare what they can see to their predictions /	• petals
prediction drawings they recorded at the end of last lesson. Children complete a quick observational drawing in their Plant	• fruit
Diary. <i>How might it look different next week?</i> Review prior learning (see slides 5-6 of PPT in '2 – Parts of a Plant' folder'.	• seed
Derfect Plants: Read from page I to the and of page 10 of the eBeek, then match photographs of coods to the name of the	• bulb
- Perfect Plants: Read from page 5 to the end of page 10 of the eBook, then match photographs of seeds to the name of the plant they come from (see slide 8 of '2 – Parts of a Plant' PPT)	• observe
	• similar
- Parts of a Plant: Look closely at the parts of a plant (see aforementioned PPT), allowing children to match each part to its	• different
name. Illicit ideas about the jobs of the plant parts, before reading about them.	
	Evaluation

- Looking Closely: Ask the children to look at the real plants (or photos from the photo pack) in groups. Explain that you want them to compare how the parts are the same or different, using prompts (see aforementioned PPT).	
- Naming Plant Parts: Children make an observational drawing of one plant and add labels for each part on the 'Parts of a Plant' activity sheet (found in '2 – Parts of a Plant' folder). More able children can record the jobs of the plant parts. If using real plants, the plants will need to be carefully removed from the pots by an adult so that the children can study the roots.	
- Sorting Plants: Recap the parts of the plant with the children and discuss, with examples, the fact that plants have mainly the same parts but – as supported by observations from Lesson 1 – these can look different for each plant. Place 2 large sorting hoops on the carpet / a table and ask pairs to decide how the plants could be sorted. <i>Where might this plant go? Why? Could you sort the plants in a different way? Now where would this plant belong? Why?</i> Photograph this for books.	
Cross Curricular Links	
English: Shared reading	
'Exit Ticket'	
Children match the plant part labels to the correct plant parts on the diagram.	
Draw arrows to label the plant parts: leaf fruit roots to be the plant parts: leaf flower stem	

Week 4Key Question for Lesson 4: What are the names of some common garden and wild plants?	Key Vocabulary
Key Milestone: Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees	• garden plants
Secondary Milestone: Observe closely, using simple equipment	wild plants
Resources: magnifying glasses iPad camera clinhoards nencils	• daisy
	dandelion
- Remember It: Allow children to observe their growing seeds. Does it match what you predicted you would see? Children	• buttercup
complete a quick observational drawing in their Plant Diary. What do you expect to see next week? Why? Review prior	• nettle
learning (see slides 5-6 of PPT in '3 – Garden & Wild Plants' folder'.	• rose

 - Perfect Plants: Read from page 11-20 of the eBook to find out about garden plants and wild plants. - Where Do Plants Grow?: Review information read about garden plants and wild plants, and discuss where they might see these plants growing. What are the differences between garden plants and wild plants? - Garden Plants: Identify and describe different plants that might be found in gardens and maintained parks (use slides 11-15 on the '3 – Garden & Wild Plants' PPT). Explain – with the example of grass – that some plants can be garden plants and wild plants? 	 pansy iris sunflower sweet pea lavender clover grass identify
 - Wild Plants: Identify and describe different plants that might grow wild (use slides 16-18 on the '3 – Garden & Wild Plants' PPT). What other wild plants do you know of? 	Evaluation
- Types of Plants: Recap learning so far. What have we learnt so far about garden plants and wild plants? What garden plants can you recall? What can be both?	
- Going on a Plant Hunt: Take the children on a plant hunt around the school. Encourage the use of magnifying glasses (where required) and the 'Plant Identification Key'. Children make observational drawings – garden plants on one side of the paper and wild plants on the other side. These can then be stuck into books. Take photographs of the activity to accompany their drawings and to photograph any plants that cannot be identified.	
Supervise children when near some wild plants – nettles, for example – to avoid any stings etc.	
- What Did We Find?: Discuss the types of plants found and whether they are wild or garden plants. If possible so soon, view the photographs as you discuss the activity and use the Internet to identify any plants that were not featured on the 'Plant Identification Key'.	
Cross Curricular Links	
English: Shared reading	
'Exit Ticket'	
Children circle garden plants in blue and wild plants in green.	



Week 5 Key Question for Lesson 5: Are all trees the same?	Key Vocabulary
Key Milestone: Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees	• tree
Secondary Milestone: Identify and classify	• roots
	leaves
Resources: magnifying glasses, sorting hoops	• fruit
Useful Links:	deciduous
- https://www.bbc.co.uk/teach/class-clips-video/science-ks1-ks2-ivys-plant-workshop-are-plants-the-same-all-year-	• evergreen
round/zdvct39	• nuts
- <u>https://www.youtube.com/watch?v=zdKYWiVy9FY</u>	• cones
- Remember It: Allow children to observe their growing seeds. Does it match what you predicted you would see? Children	• trunk
complete a quick observational drawing in their Plant Diary. What do you expect to see next week? Why? Recall information	• bark
about wild plants and garden plants, challenging children to suggest the missing information (see slides 6-7 on the '4 –	branches
Terrific Trees' PPT), before revealing the answers. Has anybody identified these plants in their gardens / on their way to	• blossom
school since learning about them?	• identify
Perfect Planter Read pages 21.20 of the aReak to find out about trees	• identification
- Perfect Plaints: Nead pages 21-50 of the ebook to find out about trees.	• oak
- The Parts of a Tree: Discuss new knowledge from the eBook. With a partner, children use photographs (see '4 – Terrific	horse chestnut
Trees' PPT) to name each part of the tree. Explain that some trees grow fruit, nuts, cones and what these are for. Explain	• cedar
that not all nuts and fruits can be eaten by people (and that some people have allergies).	• beech
Deciduous Trace: Look at the oak tree through the seasons (see '4 - Terrific Tracs' DDT) making reference to their	• maple
'Seasonal Changes' units of work, and watching https://www.youtube.com/watch?y=zdKYWiVy9EY. Children can try to	hawthorn
name the deciduous trees shown, using the picture clues to help them. What <u>might</u> an evergreen tree be?	• sycamore

 Evergreen Trees: Look at the pine tree through the seasons (see '4 – Terrific Trees' PPT), reminding children that evergreen trees keep their leaves all year round. Children can try to name the evergreen trees shown, using picture clues to help them. What is the difference between an evergreen tree and a deciduous tree? Tree Identification: Explain to the children that different parts of a tree can be used to help us to identify it. Show the children the leaves (see '4 – Terrific Trees' PPT) and discuss how the leaves of each tree are different. How would you describe each leaf? How are they similar? How are they different? Which Tree Is It?: Explain to the children that they are going to be investigating which trees are in their local area using the Tree Identification Key. Take the children into the school environment with supervision to look at the trees there. If there are fallen leaves available for collecting, the children could use these to observe the leaves more carefully, using magnifying glasses. Please don't let them pick leaves from the trees. Which tree do you think this leaf came from? What tree do you think that is? How have you used the identification key to find out the type of tree this is? What are the tree's leaves like? Tree Leaf Sorting: Ask the children to work in pairs to sort the leaves shown (see '4 – Terrific Trees' PPT). They can choose the groups they sort the leaves into but must be able to justify their sorting choices. This could be done with sorting hoops or A3 Venn diagrams. Take photographs for their books. Leaf Rubbings: If there is time, and if you collected any fallen leaves, allow the children to do some leaf rubbings, labelling the type of tree the leaf came from. 	 holly yew spruce cypress
Cross Curricular Links	
English: Shared reading	
Children draw two different trees during winter: an evergreen tree and a deciduous tree.	
Draw what evergreen and deciduous trees look like in winter: evergreen tree deciduous tree	

Week 6 Key Question for Lesson 6: What foods can we get from plants?	Key Vocabulary
Key Milestone: Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees	• root
Secondary Milestone: Identify and classify	• stem
Percentros: a variaty of a fruit and vagatables (including stam, leaf, flower and root vagatables, sorting boons	• fruit
Resources: a variety of a fruit and vegetables (including stem, leaf, flower and root vegetables, sorting hoops	vegetables
- Remember It: Allow children to observe their growing seeds. Does it match what you predicted you would see? Children	leaves
complete a quick observational drawing in their Plant Diary. What do you expect to see next week? Why? Recap on trees	• flower
learnt in the previous lesson using images (see '5 – Fruit & Vegetable Plants' PPT) and discuss whether they are evergreen	• seeds
or deciduous, encouraging children to explain how they know.	• sort
Perfect Plante: Read pages 27.24 of the eReak to find out about fruit and vegetable plants	• group
- Perfect Plants: Pead pages 27-54 of the ebook to find out about fruit and vegetable plants.	• observe
- Vegetables: Use images (see '5 – Fruit & Vegetable Plants' PPT) to teach the children the names of some vegetables and to	• identify
introduce them to the part of the plant each one is. What vegetable plants are you familiar with?	• similar
	different
- Fruit: Explain how fruit often contains a plant's seeds. Then, use the images (see '5 – Fruit & Vegetable Plants' PPT) to	
teach the children the names of some fruit. What fruits are you familiar with?	Evaluation
- Observing and Comparing: Using the prompts (see '5 – Fruit & Vegetable Plants' PPT), children work together to look	
closely at different photographs of fruit and vegetables, identify them and describe their similarities and differences. Finally,	
they decide how to sort them into a table. Photograph these for their books.	
- Naming and Sorting Plants: Trim down 'Eruit and Veg Plants' sheets for children to first identify the plants, then allow them	
to sort them into different groups.	
- Different Groups: Using two large sorting hoops, without telling the children how you want them sorted, challenge them	
to sort fruit and vegetable pictures. How have we / are we sorting them? Is that the only way to sort them? How else could	
whether they grow above ground or below ground	
Cross Curricular Links	
English: Shared reading	
'Exit Ticket'	
Children draw some examples of fruits and vegetables.	



Week 7	Key Question for Lesson 7: How can we compare and sort plants?	Key Vocabulary
Key Milestone: Id	entify and name a variety of common wild and garden plants, including deciduous and evergreen trees	• plant
Secondary Milest	one: Use observations and ideas to suggest answers to questions	• wild plant
Resources: a variety of live plants, sorting hoops	• weed	
	• garden plant	
- Remember It: Al	low children to observe their growing seeds. <i>Does it match what you predicted you would see?</i> Children	• deciduous
complete an obse	rvational drawing in their Plant Diary, before discussing the following questions with a partner: Are they all	• evergreen
the same? Does y	our plant have leaves and flowers? Which part of your plant grew first? How are the plants similar or	• roots
different? Recap of	on previous learning using images (see '6 – Comparing Plants' PPT) discussing the answers to the questions	• stem
together.		leaves
- Perfect Plants: R	ead pages 35-40 of the eBook together, reviewing everything the children have learnt so far with the quiz	• flowers
and discussing the meanings of any unfamiliar words using the glossary.	• fruit	
		• compare
- Comparing Plant	s: Explain the meaning of the word 'compare'. Use photographs (see slides 14-17 on '6 – Comparing	• similar
similarities and di	mpare the plants they see. Allow the children time to discuss what they can see in pairs. Use the ferences if the second	• different
we suggested? No	w show the children (see slides 18-19 on '6 – Comparing Plants') how they can be sorted into different	• sort
groups using the	imilarities and differences they identified. Repeat this with vegetable plants.	• groups
		F 1 - 2
- Comparing and	Sorting: Children work in pairs or small groups to compare the plants, using the Photo Pack and supported	Evaluation
by suitable real-lin	e plants if available. Children can (if necessary) use the Question Cards to help them compare the plants,	
	ow to sort them, using (in necessary) the Group Labers, then sorting them accordingly.	
- How We Sorted	Plants: Allow the children to share how they sorted the plants. <i>Do you agree with how [child] has sorted</i>	
the plants? Are th	ey correct? What other plant might belong in that group? Why?	

Cross Curricular Links

English: Shared reading

'Exit Ticket'

Children assess whether the plants have been correctly sorted, ticking or crossing the plants accordingly.



Week 8 Key Question for Lesson 8: Do all plants grow in the same way?	Key Vocabulary
Key Milestone: Identify and describe the basic structure of a variety of common flowering plants	• bean
Secondary Milestone: Ask simple questions and recognise that they can be answered in different ways	• water
Resources: mini whiteboards and pens, beans, transparent cups, compost, small watering cans (if available) sticky labels, lolly sticks	• plant
	• grow
	• growth
- Asking Questions: Introduce children to the equipment they will be using in the session today. With a partner, children	• conditions
generate ideas for using the equipment. Model how to frame these ideas as questions to be asked, and record. In particular	• soil
draw out the following questions for investigation later in the lesson:	• sunlight
• What will happen if we don't put the bean in any soil?	
• What will happen if we leave the bean in the dark?	Evaluation
- Planting Beans: On whiteboards, children write or draw what they think they will need to do to the bean to make it grow.	
Next, go through the instructions for planting a bean step by step, inviting individual children to give the next instruction,	
and other children to model the steps using the equipment.	
- Planting Beans: Children plant their own beans, water them and place them in a sunny spot. Ensure each pot is labelled with the child's name.	

 - How to Plant a Bean: Model activity: order the 4 images taken from the My Diary of a Bean Plant activity sheet, then record a simple instruction sentence next to the first one. - How to Plant a Bean: Children write an equipment list, order the 4 images taken from the My Diary of a Bean Plant activity sheet, then record instruction sentences next to each image. WISH FOR BOOKS: Draw a picture of what you predict your bean plant to look like after 6 weeks of growth. 	
MONITOR THE GROWTH OF THE BEAN PLANT OVER TIME, TEACHING OTHER LESSONS INBETWEEN IF REQUIRED.	
- What Will Happen If?: Return to the questions generated by the children at the beginning of the lesson. In pairs, children discuss how to find an answer to the questions. Follow the PPT to set up experimental beans to test these questions. If the children have generated interesting questions in addition to those featured, set up simple experiments to investigate these also.	
Cross Curricular Links	
English: Shared reading	
'Exit Ticket'	
Children respond to a concept cartoon about seeds and what they grow into.	

Week 9	Key Question for Lesson 9: What do beans need to grow?	Key Vocabulary
Key Miles	tone: Observe closely, using simple equipment	• bean
Secondary	y Milestone: Use observations and ideas to suggest answers to questions	• soil
Resources: bean plants planted in Lesson 1, different kinds of cooked or tinned beans for the children to taste (green beans, cannellini beans, butter beans, haricot beans and kidney beans are good ones to try)	• water	
	• conditions	
	• sunny	

- Bean Plants: As a class, children remember the steps they followed to plant their bean plants. Invite children to describe their bean plants and how they have grown. Record vocabulary to build up a word bank that can be referred in the next part of the lesson.	 dark grow growth
- Bean Plant Diaries: Children monitor their bean plants for the final time, recording a picture of the bean by drawing or photographing, measuring the height of the plant with a ruler and writing a short description of the plant using words from the word bank.	Evaluation
- How Do Plants Grow?: In pairs, children predict how the experimental beans have been growing. Reveal the experimental beans and discuss reasons why they have not grown like the individual beans the children have been looking after.	
- What Do Plants Need?: Children record the things that plants need to grow and give reasons for these.	
- Beans!: Using the PPT, show the children different kinds of edible beans and discuss what kinds of beans the children are familiar with eating. Taste the different kinds of beans, comparing flavours and textures.	
Cross Curricular Links	
English: Shared reading	
'Exit Ticket'	
Children give advice to someone wanting to grow a bean plant.	
What advice can you give this boy?	
I want this bean to grow into a healthy plant.	