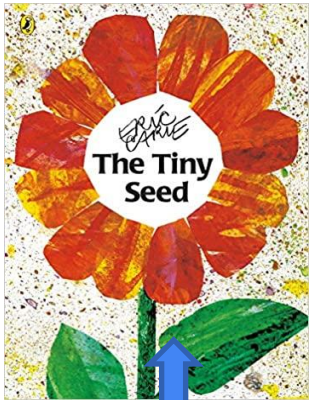


Early Years: Knowledge Organiser: Summer 1: Sunshine and Sunflowers

Key Books:



Grow your own sunflower competition! Can you use the words taller and shorter to describe your sunflower?

**The Tiny Seed**  
**Possible learning experiences:**  
The needs of a plant experiment  
Growing plants / flowers: sunflower competition, growing a bean in a bag.  
Sequencing a life cycle of a plant.  
Drawing plants and flowers.  
The Tiny Seed by Eric Carle || An INSPIRING Adventure! [CC] – YouTube  
Baby - YouTube

**What Does a Plant Need to Grow?**

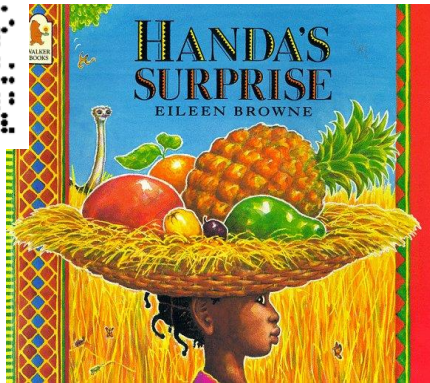
I need water. I need sunshine. I need food. I need time to grow. I need space to grow.

I'm a little bean - YouTube



Spring

Enquiry question: What do plants need to grow?

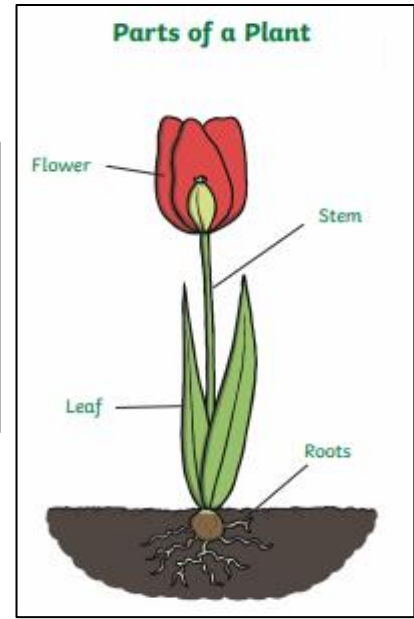


What can you grow in your garden? Take some photos or bring in what you have grown.



- A female butterfly lays fertilised **eggs** on a leaf. She chooses a leaf that her caterpillars will like to eat
- A **caterpillar** hatches from the egg. The caterpillar spends all of his time eating.
- The caterpillar spins a **cocoon** around itself.
- The caterpillar transforms into a **butterfly**.

**Handa's Surprise**  
**Possible learning experiences:**  
Healthy fruits and vegetables  
Farm to fork - where does our food come from?  
Plotting our fruit on a map of the world.  
Handas Suprise | Eileen Browne | Read along | bedtime story | picture book | - YouTube



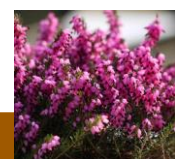
**Decay:** What happens to food when it is left over time? Take photos and talk about what happens.



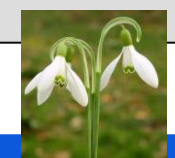
**roots:** suck up nutrients from the soil  
**leaves:** catch the sunlight to give the plant energy to grow  
**stem:** the skeleton of the plant – helps it to stand tall and grow towards the sun  
**petal:** the bright colour help to attract lots of insects



Summer



Autumn



Winter



We will be talking about the changes in Summer and what we will see.  
We will be talking about the weather during the Summer and what we need to make sure we stay safe in the sun. We will create our own poster.

Staying safe in the sun!



Good reads

Title	Author
RSPB My First Book of Garden Bugs	Mike Unwin
RHS How Does a Butterfly Grow?	DK
RHS I Can Grow a Sunflower	DK
Errol's Garden	Gillian Hibbs
The Very Hungry Caterpillar	Eric Carle
My Butterfly Bouquet	Nicola Davies

Minibeasts	Minibeasts are 'small animals', like worms, snails, ladybirds, insects and spiders. Scientists call them ' <b>invertebrates</b> ' - animals <u>without</u> a backbone.
1	
2	<b>Caterpillar</b> A caterpillar is a small, long animal with many legs that feeds on the leaves of plants. It grows into a butterfly.
3	<b>Snail</b> A snail is a small creature with soft, wet body and a round shell, that moves very slowly and often eats garden plants.
3	<b>Tadpole</b> A baby frog, shortly after it hatches from its egg. It has not grown its arms and legs yet and has a tail.
4	<b>Ladybird</b> A Ladybird is a small, red beetle that is round and has black spots.

Where do Minibeasts live?	
Adult frogs like to live in water.	Snails live anywhere wet or dry.
Caterpillar usually live on leaves.	Ladybirds live on trees, plants and sometimes in your homes.
Tricky vocabulary	
<b>Life Cycle</b>	A <b>life cycle</b> is the different stages of life for humans, animals and plants. Usually shown in a circle to show that seeds and babies are made as part of a cycle.
<b>Metamorphosis</b>	Is a word used by scientists to describe the way a baby insect changes to an adult.
<b>Chrysalis</b>	A <b>chrysalis</b> is the hard shell that caterpillars form as an outer layer for protection before it turns into a butterfly.
<b>Pupa or cocoon</b>	Another name for a <b>chrysalis</b> .
<b>Frogspawn</b>	<b>Frogspawn</b> is like a jelly that holds all the egg of a frog before they hatch.
<b>Froglet</b>	A baby frog that is bigger than a <b>tadpole</b> .
<b>Larva</b>	<b>Larva</b> is used to describe the <b>baby insect</b> after it is born. A caterpillar is a larva.





# Did you know?



A plant is a living thing. A sunflower is a type of plant.



Plants need air, sunlight, warmth, water and nutrients from soil to grow.



Parts of a plant include the roots, stem, leaves, flowers and petals.



An animal is a living thing. A butterfly is an animal. It is a type of insect.



Insects have six legs, two antennae and a hard outer shell. Some insects have wings.



In summer, on hot, sunny days, it is important to wear sun cream, sun hats, sunglasses and drink plenty of water.

## Useful websites

- CBeebies – Get in the garden with CBeebies!
- CBeebies – Grow together at home!
- CBeebies – CBeebies Radio Gardener podcast
- CBeebies – Minibeast Spotter
- Natural History Museum – How to make a simple butterfly feeder
- Butterfly: A Life – National Geographic



## Jigsaw (PSED): Puzzle 5- Relationships

- Piece 1- I can identify some of the jobs I do in my family and how I feel like I belong
- Piece 2- I know how to make friends to stop myself from feeling lonely
- Piece 3- I can think of ways to solve problems and stay friends.

## Literacy: Reading

**Digraph:** two letters that make one sound.

Correctly sequence a story or event using pictures and/or captions. Respond to questions about how and why something is happening. Know the difference between different types of texts (fiction, nonfiction, poetry)

### Using our phonics to help us read:

Continue to apply knowledge of blending and segmenting to reading and spelling simple two-syllable words, captions and simple sentences. How do we read?

**‘We look at the letters, make the sounds and blend the sounds together’ OR if it’s a RED word ‘We see the word and say the word.’**

Speed Sounds Set 2

ay may I play?	ee what can you see?	igh fly high	ow blow the snow	oo poo at the zoo
oo look at a book	ar start the car	or shut the door	air that's not fair	ir whirl and twirl
ou shout it out	oy toy for a boy			

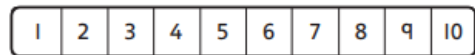
**Trigraph:** three letters that make one sound.



## Mathematics: Number: Counting on and counting back

The children will explore addition and subtraction through counting on and counting back. Children will use a number track to practise counting the number of jumps required to move on or back rather than the actual numbers they are landing on.

**Number tracks:** Number tracks can help children to add and subtract by counting on or back. They provide a visual representation to support children when adding or subtracting.



**Counters:** Counters can be useful to show the processes of adding and subtracting by placing counters on a number track and moving them the relevant number of jumps.



Challenge

First there are 2 children. Then 4 more children come. How many children are there now?

I will use a  and  to help me.

Say the numbers as you count the children.

These are examples of counting on tasks we will be doing.



Can you draw a hop scotch and practising counting on from any number?

First there were 4 children playing. Then  children joined in. Now there are  children playing.



## Number song 1-20 for children | Counting numbers | The Singing Walrus – YouTube

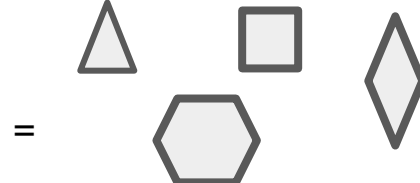


Play 'I count you count'. Begin by pointing to yourself as you start counting. Then point to your child and they continue 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 and so on.

**Maths: Shape:** the focus is on children recognising that a shape can have other shapes within it. Children will begin by using two shapes to make a new shape. They will build on this composition of shapes skill to attempt building one shape in multiple ways.



This is a picture of a butterfly, it is made up of different shapes. What shapes can you see?



## Five Little Caterpillars | Five Little Series | Kids Tv Nursery Rhymes – YouTube

## Literacy: Writing

Orally compose and write a simple sentence with a full stop.



- 1) Orally compose (say) a phrase /sentence.
- 2) Tap, clap, stomp.
- 3) Count how many words.
- 4) Say first word / robot the word / write the word.

The car was in a rush.



Can you keep a diary about what is happening to your sunflower at home?  
Can you design and write a card for a friend?  
Can you write simple instructions to make your favourite food?

## Expressive Arts and Design:

**Artist: Paul Klee: 2D shapes painting and printing**



Printing repeated patterns with fruit and vegetables

Linking to maths, we will use shapes to create our own Paul Klee works of art.

**Artist: Vincent Van Gogh Sunflower painting**



## Key vocabulary

air	animal	antennae	butterfly	flower
insect	leaf	leg	petal	plant
root	shell	soil	stem	sun cream
sunflower	sunglasses	sun hat	sunlight	warmth

Spell words by drawing on knowledge of known grapheme correspondences. Make phonetically plausible attempts when writing more complex unknown words.

Form most lower-case letters correctly, starting and finishing in the right place, going the right way round and correctly orientated. Include spaces between words.



Letter Formation

c a d g q e s f o

l i t t j y u

r b n h m k p

v w x z



Can you practice writing the letter families?