Science- Understanding of the world (Specific area) and Personal, Social and Emotion Development (Prime area)		
Science is learning knowledge about the world, ourselves, plants and animals.		
Early learning goal:	What this looks like at Weeke Primary	Future learning in Year 1
Children at the expected level of development will:  ELG: UW - The Natural World Explore the natural world around them, making observations and drawing pictures of animals and plants.	Au2: Our Environment The children will look at different habitats of familiar animals. During continuous provision, they will have the opportunity to build homes for various animals in the outdoor environment, e.g. hedgehogs. This linked to 'A Cold, Dark Night', which the children retell during Literacy. We also have a visit from 'Hampshire Hedgehog Rescue'.  SU1: Down on the farm (Hampshire Hedgehog Rescue'.  Children will have the opportunity to get out of class, go on bug hunts and go on a school trip to Hilliers. Here they will explore pond dipping and learn about life cycles. Children will draw and label simple diagrams of animals/plants/mini-beasts. They will describe what they see, feel and hear outside.  They will learn about life cycles of animals, comparing adult animals to their young and how animals change overtime. The children will have 'The Living Egg Project' to support this learning in class.  Continuous Provision:  Building animal home in the indoor block area and outdoor area Follow simple pictorial instructions to make a hedgehog in the malleable area Make hedgehog bread (changing matter) Plant bulbs and vegetables in outdoor raised beds - observe changes and discuss how plants need water, sunlight and suitable soil to grow Viewing area to observe, draw and label eggs and chicks as they hatch	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.  Identify and describe the basic structure of a variety of common flowering plants, including trees.  Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).  Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.
ELG: UW - The Natural World Understand some important processes and changes in the natural world around them,	AU1: Who do you think you are? Children will have the opportunity to talk daily about the weather, seasons and days of the week as part of a daily group time. Children will talk about appropriate clothing for the day ahead and how to recognise the seasons changing.	Observe changes across the four seasons.

including the seasons and changing states of matter.

Children will bring in photographs of themselves as babies and their families to discuss changes and differences.

#### **AU2: Our Environment**

Children will explore shadows and think about how they change. They will explore the distance they hold the torch from the shadow puppet, the shape of the puppet and what happens if you punch holes in the puppet. We introduced the stem sentence: If I change....what happens to.... (Same, change, measure model)



# SP1: Who is your hero?

The children will learn about 'Supertato' in Literacy and investigate potato rolling. They will think about changing the gradient of the slope, the shape of the potato and how hard they'll push the potato. We also discussed the shape of a potato and whether there was a vegetable/fruit that would roll better. They will experience conducting an experiment. Children will talk about what they kept the same, changed and outcomes of the experiment.





## **SP2: Journeys**

Children will explore boats and the concept of floating and sinking in the water tray. They will even create their own boats to experiment with.



The will describe what they can see, feel and hear outside (record sounds on a sound walk).

SU1: Down on the farm

Observe and describe weather associated with the seasons and how day length varies.

Performing simple test.

Ask simple questions and recognise that they can be answered in different ways.

On a school trip to Hilliers the children will have the opportunity to go pond dipping, bug hunting and learn about life cycles.



## SU2: Where would you like to go on holiday?

Children will explore the concept of 'melting' looking at ice lollies when on holiday and 'freezing' to make lollies.

#### **Continuous Provision:**

- Slopes and objects to roll in the block area, various weighted cans
- Guttering and crates outside to make a higher gradient in outside area
- Shadows and torches out in the science area
- Slinkys (in various sizes) on the steps outside
- Pull back car to observe how far they go in the science area (experiment going up the slope)

## **ELG: PSED - Managing Self**

Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.

### Classroom routines:

- Handwashing before lunch, before cooking, after touching...
- Change for PE twice a week
- Discuss school choices for lunch
- Free flow snack table discussion around healthy snack choices

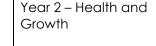
## AU1: Who do you think you are?

Children will have the opportunity to talk about how they look after their own health and hygiene. They will think about the people that help us keep safe and healthy. They will also learn about the importance of oral hygiene in greater depth. Children will look at their bodies, organs, bones and the location and function of simple parts. They will observe the effect of exercise on their body including their increased heart rate after PE.



Challenge: Can you sort the healthy foods from the less healthy foods









The school nurse will visit to explain the importance of hand washing, to help keep us healthy. The children will learn the correct way to wash their hands.

## SP1: Who is your hero?

Children are visited by a doctor, dentist and nurse, to add real life experience to their learning. They have the opportunity to ask their own questions.

## **Continuous Provision:**

- Bikes, scooters
- Games cards encourage children to set up games
- Obstacle courses that the children create
- Climbing frames
- A variety of core strengthening resources
- Balance beams
- Role play doctors surgery