



# Cradley CE Primary School—Science in EYFS



## Key knowledge and skills

Name and locate parts of the human body.  
 Understand why oral hygiene is important.  
 Learn what different parts of the body are used for.  
 Investigate changes to our bodies after exercise.  
 Name the five senses and what they are used for.  
 Explore healthy foods and the effect healthy eating has on our bodies.  
 Explore ways to keep our minds healthy— sensible amounts of screen time, sleep routines, positive experiences.  
 Learn about different types of animals and their habitats.  
 Investigate how plants, flowers and food grow and what they need to survive.  
 Plant their own seeds and observe the changes that occur.  
 Learn how to become a safe pedestrian.  
 Learn how to manage their own basic hygiene - (going to the toilet, brushing teeth, washing hands)  
 Ask questions to clarify their own understanding.  
 Predict what they think will happen and investigate independently.

## Experiences

Staff will plan a variety of learning experiences around key topics and themes which reflect the children's interests and build on previous learning. Opportunities to develop as scientists will be both adult led and child led and will take place indoors and outdoors. Children will be encouraged to reflect on their work, talk about what they have done and make connections to prior learning and future opportunities.

Science in the foundation stage is mainly covered through the Understanding of the World and Physical Development areas of the curriculum. Children are encouraged to explore, observe, predict, think and make decisions about the world around them. We aim to ignite children's curiosity and encourage them to talk about why things happen and how things work. These are the foundations that the children will build on further in Key Stage One. Activities are taught through a mixture of adult-led and child-initiated learning. The children's learning is guided through their interests, needs and stages of development, which we then link to a personalised topic. We teach the children about people who help them in our world and inspire the children to look up these people. We give the children a range of different experiences, in order to gain knowledge and understanding first hand through interviewing nurses, police officers and going on a class trip to the zoo. We explore the natural world around us taking part in our natural world session, during this we build dens with the materials found, we hunt for bugs and investigate different objects that can be found.

## EYFS outcomes

### Early learning goals

#### Understanding The world

##### **The Natural World**

##### ELG

*Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.*

##### ELG

*Explore the natural world around them, making observations and drawing pictures of animals and plants.*

##### ELG

*Understand some important processes and changes in the natural world around them, including the change of matter.*

## Developing language

Adults working with children will support language development through modelling and narration. They will facilitate conversations which encourage children to notice what they are doing, to verbalise and elaborate on their experiences and to make connections. They will use key vocabulary in context and encourage children to develop well constructed sentences through the use of sentence starters.

*What do you see?*

*Why do you think that happened*

*What do you think might happen next?*

*How do you think that works?*

*Can you tell me more about it?*

*What would happen if?*

*How do you know?*

*What effect does that have on your body?*

*What does healthy mean?*

*Where does it live and why?*

## Vocabulary

Seed	Life cycle	Skeleton
Bone	Habitat	Stem
Experiment	Predict	Melt
Healthy	Unhealthy	Teeth
ToothBrush	Pedestrian	Safe
Material	Exercise	Healthy
Seasons	Weather	Autumn
Spring	Summer	Winter
Frost	Ice	Freeze
Caterpillar	Cocoon	Adult
Butterfly	Chick	Incubate
Baby	Child	Teenager
Magnet	Push	Pull
Change	Grow	Animal
Plant	Human	Insect
Leaf	Flower	Stem