

# Science in the Early Years

Within the EYFS science is largely covered within the Understanding the world area of learning.

The educational programme for this 'involves guiding children to make sense of their physical world and their community..' We do this by ensuring we provide opportunities to visit local places such as Thornes Park and Eastmoor community gardens. We will also visit Lotherton Hall and Ians mobile farm will bring a farmyard to school. We will meet important members of our society such as a farmer and our school gardener. We will use all of our senses to explore similarities and differences between the seasons, noticing changes. We will plant and care for our growing fruit and vegetables as well as talking about the changes we see.

We will also observe the life cycle of a bean seed and a caterpillar.

Children will be continuously be encouraged to ask and answer questions about what they observe. They will have opportunities to manipulate objects and materials to identify differences and similarities.

'Listening to a range of stories, non-fiction and rhymes will support children's understanding of the diverse world that we live in.'

The EYFS curriculum also has direct links to the KS1/KS2 National Curriculum for Science in:  
Personal, Social & Emotional Development • Manage their own needs: personal hygiene, handwashing, healthy eating.  
Physical Development • Know and talk about the different factors that support their overall health and wellbeing.

## This is what you might see



Notice and explore the seasons using our senses.



Planting and observing



Visits from our gardener, John.

Look at my painting.  
It's a stem, seed and leaf.



Observing and talking about life cycles



Parents joining us for seasonal visits



Learning about different animals and their habitats.

## Progression into Year1

### Plants

- 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

### Animals, including humans

- identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- identify and name a variety of common animals that are carnivores, herbivores and omnivores
- 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

### Everyday materials

- distinguish between an object and the material from which it is made
- identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- describe the simple physical properties of a variety of everyday materials
- compare and group together a variety of everyday materials on the basis of their simple physical properties