

Core Knowledge

Science

- To know the structure of common flowering plants.
- To know the difference between deciduous and evergreen trees.
- To know a variety of common plants found in parks and gardens.
- To know and name a variety of minibeasts.
- To know how to group mini-beasts according to their features.
- To know that all living things have a life cycle.
- To know about how a bean plant grows from a bean and how a caterpillar metamorphoses from egg to larvae, pupa to butterfly.



Key Vocabulary

Scientific Terminology:

- Nectar – a sweet, sugary liquid made by flowers. Nectar is a food for butterflies and other insects. Bees make honey from nectar.
- Pollen – The yellow dust like powder made by flowers. When insects or the wind, carry it to other flowers of the same kind, they can make seeds.
- Oxygen – A gas that all animals need to breathe in order to survive. Plants make oxygen and humans breathe it in.
- Deciduous – A tree which loses its leaves in winter.
- Evergreen – A tree which keeps its leaves all year round.
- Metamorphosis – The change from a young insect into an adult insect. For example: larva, pupa, ladybird.
- Life cycle – The story of how a living thing, plant or animal grows in stages. An animal changes from birth to death.



WEST HOVE INFANT SCHOOL

A family of friends

Key Locations



Ideal Places to Visit:

- Wakehurst Place Gardens
- Devil's Dyke can be accessed on the bus.
- Stoneham Park, Wish Park, Hove Park
- Booth Museum, Dyke Road
- Woodsmill Nature Reserve



Fascinating Fact:

Humans breathe out carbon dioxide which plants take in and then make oxygen which humans need to breathe!

Fascinating Fact:

Did you know that not all creepy crawly creatures are insects? Spiders are arachnids, woodlice are crustaceans and worms are annelids.

Fascinating Fact:

Did you know that many insects look quite different from one another, but they all have three pairs of legs and three parts to their bodies? The head, thorax and abdomen!



Environmental Links

- Go on a mini-beast hunt
- Take part in a bird survey with the RSPB! Make a bird fat ball for them to eat.
- Make a bug house
- Plant some bee-friendly plants to encourage bees to visit your garden, balcony or local area
- If your adult agrees, you could go litter picking at the beach. This stops all of the litter and plastic from damaging the sea creatures in the ocean.



In Geography, children will be introduced to a compass and its purpose. They will try to find the direction of North from outside in the playground. They will draw a simple plan of the playground including the main features in a simple key. They will look at aerial photos and maps of the school and its locality, and see how it represents the features that they know. **Vocabulary:** map, plan, key, aerial, photo, compass, north, south, east, west

In Music the children are learning how to use their voices expressively and creatively by singing songs and speaking chants and rhymes. The theme for these songs is 'Numbers,' and 'The Seasons.' They will play simple instruments, thinking about pitch and rhythm, and they will practise choosing and combining appropriate sounds for a task. The children will practise listening carefully to pieces of recorded music and will make comments. **Vocabulary:** pitch, rhythm, tempo, expression, maracas, agogo, drum, cabasas, tamobourine, tambor, guiro, bells

In Art, the children will be taking inspiration from well-known artists who have all represented plants through their artwork. They will learn to develop techniques such as drawing, painting, printing and collage, and then combine these techniques to create their own plant/flower based artwork in the style of the chosen artist. Artists may include Claude Monet, Georgia O'Keeffe, Yayoi Kusama, and Andy Warhol. They will have the opportunity to discuss and share opinions on their own work and that of existing artists. **Vocabulary:** artist, collage, draw, paint, pastels, print, technique, mixed- media

In history, children learn about significant people from the past. We will focus on the life of Mary Anning and the enormous contribution that she made to science and history. Children will find out about the main events in her life and understand how her knowledge and findings of fossils has helped us to understand so much more about animals from the past. The children will create a fact file about her life and work. **Vocabulary:** past, present, fossil, museum, pre-historic, millions of years ago

In D&T lessons we will explore how simple mechanisms such as levers and sliders can allow movement in puppets. Children will use this knowledge to design and make a mini-beast puppet with at least one moving part, using card, split pins, hole punches and sticks. They will evaluate the success of their puppet as they put on a puppet show! **Vocabulary:** design, plan, materials, tools, evaluate, improve, lever slider, mechanism, movement

This unit of PE develops the skills that children will need for **Striking and Fielding games**. It provides opportunities for children to learn and practise a variety of skills: different ways of throwing including underarm, overarm and how to throw into a space, catching, rolling, batting, fielding and defending. They will use equipment such as beanbags, balls and quoits, and will practise working as a team. Children will be involved in devising suitable strategies and tactics for a team game, and will have a go at developing a scoring system. They will continue to develop their balance, co-ordination and agility throughout. **Vocabulary:** striking, fielding, overarm, underarm retrieve, team game, control, accuracy, attack, defend, score, tactic

In Computing children will begin to explore how to use and share data. They will learn to recognise some uses of **databases** in everyday life. They will use simple technology purposefully to organise and manipulate data, for example they may collect information about minibeasts and see how this data can be sorted and represented in a simple graph. They will use other simple database software. Children will explore the importance of keeping personal data private and secure. They will continue to practise previous skills of saving and opening their work throughout this unit. **Vocabulary:** data, personal data, database, save, open, graph, sort/group

In PSHE, children will consider ideas around global citizenship, exploring their own sense of identity and belonging within their family, clubs/groups, local and global community. Towards the end of the year they will discuss feelings and concerns around change, taking part in activities to ease the transition to Year Two. **Vocabulary:** identity, belonging, global, citizen, difference, change

