Block 4

	Block 4 Scheme A	Block 4 Scheme B	Block 4 Scheme C
Composite and component skills	**411 - Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.** 4111 - Differentiate between plant and tree 4112 - Match picture of plant to named picture 4113 - Name plants/ trees seen in local area using named photos 4114 - Notice similarities and differences in photos of trees at different times in the year 4115 - Explain the differences between deciduous and evergreen trees **412 - Identify and describe the basic structure of a variety of common flowering plants, including trees.** 4121 - Describe key features of the trees and plants e.g. shapes of leaves/colour of the flower/blossom either from real life or photos 4122 - Name basic parts of flowering plants and trees	**421 - Observe and describe how seeds and bulbs grow into mature plants.** 4211 - sort seeds and bulbs 4212 - plant seeds/ bulbs and watch them grow into mature plants **422 - Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.** 4221 - Observe plants growing in different conditions 4222 - Identify in which conditions the plants grew well	**431 - Identify and describe the functions of different parts of flowering plants: roots; stem/trunk; leaves; and flowers.** 4311 - can label root, stem/trunk, leaf and flower 4312 - can communicate the function of a root, stem/trunk, leaf and flower **432 - Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.** 4321 - Investigate what happens to plants when grown in different environments e.g. in darkness, in the cold, deprived of air, different types/ amounts of soil, deprived of water 4322 - Use observations to determine what requirements plants have for life and growth **433 - Investigate the way in which water is transported within plants.** 4331 - Know that plants get water from the soil 4332 - Observe water travelling up a stem into a flower and leaves **434 - Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.** 4341 - Can explain the lifecycle of a flowering plant 4342 - Can find seeds in berries and fruit 4343 - Can find and name parts of a flower including pollen, pistil, stamen, ovary and ovules 4344 - Can explain how pollinators visit flowers and fertilise the ovules which turn into seeds 4345 - Know seeds are dispersed in a variety of ways
Books	**The Tree Lady: The True Story of How One Tree-Loving Woman Changed a City** H Joseph Hopkins **It Starts With a Seed** Laura Knowles & Jennie Webber **The Keeper of Wild Words** Brooke Smith & Madeline Kloepper	**The Boy Who Grew Dragons** Andy Shepherd & Sara Ogilvie **Flowers are Calling** Rita Gray & Kenard Pak **A Seed is Sleepy** Dianna Aston & Sylvia Long **The Tin Forest** Helen Ward & Wayne Anderson	**The Big Book of Blooms** Yuval Zommer **The Bluest of Blues** Fiona Robinson **The Last Tree** Emily Haworth-Booth **The Night Flower** Lara Hawthorne

	Mrs Noah's Garden Jackie Morris & James Mayhew **A Little Guide to Wild Flowers** Charlotte Voake **The Gigantic Turnip** Aleksei Tolstoy & Niamh Sharkey **The Tiny Seed** Eric Carle **Jack and the Beanstalk** Richard Walker & Niamh Sharkey	**The Flower** John Light & Lisa Evans **Finding Wild** Megan Wagner Lloyd & Abigail Halpin **The Boy Who Grew a Forest** Sophia Gholz & Kayla Harren **National Trust: Sunflower Shoots andMuddy Boots** Katherine Halligan & Grace Easton	**Plantopedia: Welcome to the Greatest Show on Earth** Adrienne Barman **The Story of Frog Belly Rat Bone** Timothy Basil Ering **I Am the Seed that Grew the Tree** Fiona Waters & Fran Preston-Gannon **Up in the Garden and Down in the Dirt** Kate Messner & Christopher Silas Neal
Experienced	Walking in the local area and noticing the similarities and differences between the plants/ trees	planting seeds/ bulbs	Growing plants in different environments Observing growing plants and noticing similarities and differences Finding seeds in different berries and fruits
Show knowledge of	plants/ trees differing from one and other trees being either deciduous or evergreen plants/ trees being made up of different parts	seeds/ bulbs grow into plants knowing plants need certain conditions in order to grow	The different parts of flowering plants and their functions plant requirements for life and growth how water is transported around plants the part that flowers play in the life cycle of flowering plants
Demonstrate the ability to	name different plants/ trees explain the differences and similarities between deciduous and evergreen trees label plant/tree parts	notice changes in a growing plant over time name the conditions a seed/ bulb would need in order to grow healthily	Name different parts of a flowering plant/ flower Observe changes over time Use observations to make generalisations explain the lifecycle of a flowering plant including the role of pollinators and different methods of seed dispersal

	Block 4 Scheme D		
Composite and component skills	**461 - Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.** 4611 - Know how fossils are made and that they create a snapshot of the plants and animals that are fossilised 4612 - Give examples of things that lived millions of years ago and the fossil evidence we have to support this 4613 - Can match species of animals across time showing change over time 4614 - Explain the process of evolution 4615- Give examples of fossil evidence that can be used to support the theory of evolution		

	462 - Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. 4621 - Know that living things produce offspring 4622 - Explain simply how genetics is involved in reproduction 4623 - Show how genetics leads to characteristics being passed down to offspring **463 - Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.** 4631 - Give examples of how plants and animals are suited to their environment 4632 - Explain how plants or animals have evolved over time 4633 - Define natural selection and give examples of where this has led to evolution 4634 - Know who Charles Darwin was and how his work supports the ideas of evolution and natural selection		
Books	**Story of life: Evolution** Katie Scott **Moth: An Evolution story** Isobel Thomas **Amazing Evolution: The journey of Life** Anna Claybourne **Our Family Tree: An Evolution Story** Lisa Westberg Peters **Charles Darwin's on the Origin of Species** Sabina Radeva **The Molliebird: An Evolution story** Jules Pottle **One Smart Fish** Christopher Wormell **I used to be a fish** Tom Sullivan		

Experienced	Looking at fossils Animals giving birth - Lambing live Seeing how different species have evolved over time		

Show knowledge of	Fossils giving information and evidence on past living things Genetics passing on information from both parents Offspring being similar but not identical to their parents Plants and animals being adapted to their environment What natural selection is and how it works Who Charles Darwin was		
Demonstrate the ability to	Explain evolution Show how genetics passes on characteristics Use natural selection to explain evolution		