Block 5

	Block 5 Scheme A	Block 5 Scheme B	Block 5 Scheme C
Composite and component skills	**521- Explore and compare the differences between things that are living, dead, and things that have never been alive** 5211- Sort between/ name things that are alive, are dead and have never been alive 5212 - Knows the requirements for lifeMRSNERG **522 - Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other** 5221 - Name describe different biomes rainforest, dessert, woodland, savannah, tundra 5222 - Describe different biomes 5223 - Communicate features of animals and plants that make them suited to their environment **523 -Identify and name a variety of plants and animals in their habitats, including micro-habitats** 5231 - match animals/ plants to their habitat 5232 - use a identification sheet to name animals/ plants that they find in different microhabitats **524 -Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food** 5241 - Knows that different animals eat different food 5242 - Can create a food chain	**541- Recognise that living things can be grouped in a variety of ways.** 5411 - Sort groups of animals/ plants in given different ways 5412 - Create their own way to sort groups of animals/ plants 5413 - sort animals using vertebrate/ invertebrate 5414 - sort plants using flowering/ non-flowering plants **542 - Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.** 5421 - answer yes/no questions to classify known living things 5422 - use yes/no questions to create their own classification key 5423 - answer yes/no questions to classify unknown living things **543 - Recognise that environments can change and that this can sometimes pose dangers to living things.** 5431 - name a range of different habitats 5432 - sort changes that can occur to a habitat into natural and human impact 5433 - state the differences between 2 pictures of a habitat showing differences 5434 - explain how these differences affect the living things within the habitat	**551 - Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.** 5511 - Create a lifecycle diagram for a mammal, an amphibian, an insect and a bird 5512 - communicate the similarities/ differences between two different life cycles **552 - Describe the life process of reproduction in some plants and animals.** 5521 - Name the parts of a flower 5522 - Explain pollination in flowering plants 5523 - Explain alternative plant reproduction methods eg bulbs, tubers, runners, 5524 - name parts of a mammal used in reproduction 5525 - Explain sexual reproduction
Books	**The Big Book of Bugs** Yuval Zommer **Dear Greenpeace** Simon James **Pond Circle** Betsy Franco & Stefano Vitale **Wild World** Angela McAllister & Hvass&Hannibal **What do You do With a Tail Like This?** Steve Jenkins & Robin Page **Harry the Poisonous Centipede** Lynne Reid Banks & Tony Ross	**Under the Canopy** Iris Volant & Cynthia Alonso **The Lost Words** Jackie Morris & Robert Macfarlane **Sparrow Girl** Sara Pennypacker & Yoko Tanaka **Tiger, Tiger, Burning Bright** Fiona Waters & Britta Teckentrup **The Promise** Nicola Davies & Laura Carlin **The Lorax** Dr Seuss	**Beetle Boy** M.G. Leonard **A Butterfly is Patient** Dianna Aston **Where the World Turns Wild** Nicola Penfold **The Big Book of Birds** Yuval Zommer **Fanatical about Frogs** Owen Davey **The Coral Kingdom** Laura Knowles & Jennie Webber

	Creature Features Steve Jenkins & Robin Page **Leaf** Sandra Dieckmann	**Encyclopaedia of Animals** Jules Howard & Jarom Vogel **Botanicum (Welcome to the Museum)** Kathy Willis & Katie Scott	**Life Cycles** DK & Sam Falconer **Whales** Kelsey Oseid
Experienced	visiting different habitats/ microhabitats using an identification sheet to name animals/ plants creating a food chain	sort living things in various ways using a simple classification key	creating life cycles for a range of different living things
Show knowledge of	living things having a number of requirements there being different biomes around the world what biome different animals/ plants live in animals animals obtaining their food from plants and other animals	there being formal ways of classifying living things (vertebrate/ non vertebrate, flowering p;lant/ non flowering plant) how yes/ no questions can be used to classify there being different habitats and that these can be affected by both natural and human impact	different living things having different life cycles how the parts of a flowering plant lead to reproduction there being other ways that plants can reproduce
Demonstrate the ability to	sort/ name things that are alive/ dead/ have never been alive explain how animals/ plants have adapted to suit their environment name food sources for different animals	correctly sort living things create a yes/no classification key name various habitats identifying changes that have happened within a habitat, what has led to that change and the impact this will have on the living things within that habitat	explain the differences between different life cycles explain pollination explain mammalian sexual reproduction

	Block 5 Scheme D		
Composite and component skills	**561- Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals.** 5611- Identify things that are similar and different between similar living things 5612- Give examples of animals in the five vertebrate groups and some of the invertebrate groups. 5613-Give key characteristics of the five vertebrate groups and some invertebrate groups. 5614- Give examples of flowering and non-flowering plants. **562 - Give reasons for classifying plants and animals based on specific characteristics.** 5621- Use classification keys to identify unknown plants and animals.		

	5622- Create classification keys. 5623- Give a number of characteristics that explain why an animal belongs to a particular group.		
Books	**Animalium** Jenny Broom **Tiny: The Invisible World of Microbes** Nicola Davies **The Wonder Garden** Jenny Broom **Boy in the Tower** Polly Ho-Yen **The Bacteria Book: Gross Germs, Vile Viruses, and Funky Fungi** Steve Mould **Unseen Worlds: Real-Life Microscopic Creatures Hiding All Around Us** Helene Rajcak **An Anthology of Intriguing Animals** Ben Hoare **Karl, Get Out of the Garden!: Carolus Linnaeus and the Naming of Everything** Anita Sanchez		

Experienced	Sorting animals, plants and microorganisms according to visible characteristics using classification keys to identify/ name animals/ plants/ microorganisms		
Show knowledge of	there being 5 classification vertebrate groups and other invertebrate groups the various classification groups have key characteristics some plants flowering and others not questions can be used to sort sets of similar animals/ plants/ microorganisms		
Demonstrate the ability to	name key characteristics of the five vertebrate groups and some invertebrate groups. name examples of flowering and non-flowering plants.		

	identify unknown plants and animals using a classification key create an effective classification key		