

RECEPTION Overview SCIENCE 2023-24 (Plymouth Science)



RECEPTION						
TERM	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics	Super Me & Room on the Broom	Night & Celebrations	Journeys	Gingerbread Man, People Who Help us & New life	Kenya/Growth	Superheroes & Changes
Reception development matters - <u>Understanding the World</u>	<ul style="list-style-type: none"> - Explore the natural world around them. - Describe what they see, hear and feel whilst outside. - Recognise some environments that are different from the one in which they live. - Understand the effect of changing seasons on the natural world around them. 					
ELG: The Natural World	<ul style="list-style-type: none"> - Explore the natural world around them, making observations and drawing pictures of animals and plants. - 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. - Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. 					
ELG: Past and Present	<ul style="list-style-type: none"> - Talk about the lives of the people around them and their roles in society; 					
ELG: Self-Regulation	<ul style="list-style-type: none"> - Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and show an ability to follow instructions involving several ideas or actions. 					
ELG: Managing Self	<ul style="list-style-type: none"> - Be confident to try new activities and show independence, resilience, and perseverance in the face of challenge. - Manage their own basic hygiene and personal needs, including dressing, going to the toilet, and understanding the importance of healthy food choices. 					
ELG: Listening, Attention and Understanding	<ul style="list-style-type: none"> - Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions. - Make comments about what they have heard and ask questions to clarify their understanding. 					
ELG: Speaking	<ul style="list-style-type: none"> - Participate in small group, class and one-to-one discussions, offering their own ideas, using recently introduced vocabulary. - Offer explanations for why things might happen, making use of recently introduced vocabulary from stories, non-fiction, rhymes and poems when appropriate; 					
Plymouth Unit	All about me x 3 lessons	Celebrations x 6 lessons	Traditional Tales x 3 lessons Colour x3 lessons	People who help us x 5 lessons	Animals x 3 lessons Under the Sea x 3 lessons	Materials x 4 lessons
Book/ Science Capital						
Key Outcomes	Name basic body parts Know that we look different as we get older.	Name and describe animals that live in different habitats	Name the materials they are using and why. Talk about the basic properties of materials and	Identify the people that can help them.	Identify why habitats are important to animals. Identify some animals from specific habitats.	Identify different materials.

	Describe people who are familiar to them. Know how to take care of themselves. Understand some of their senses.	Talk about what they see and give basic reasons. Look carefully and draw basic body parts of animals and mini-beasts.	why it is suited for a purpose. Observe changes in their natural world and say why it is different now or will change in the future. Compare and describe how materials change over time. Name different colours Explore mixing colours. Explore rainbows. Explore shadows.	Identify ways to and why they need to keep their teeth clean. Identify what is needed to cause a fire and what to do in the event of one. Discuss the role of the fire service. Identify the skills/role of the police.	Understand hibernation and its purposes. Discuss why some animals are suited for different habitats. Identify animal habitats under the sea. Group fish based on observations. Understand why things float or sink. Make observations of plants and animals. Label basic fish anatomy	Identify the properties of different materials. Identify the purposes of different materials. Conduct simple experiments. Use materials for a purpose.
WS objectives	Observe parts of the body Explain ideas clearly. Record learning in a table.	Observe features of a spider. Explain ideas. Planning simple test. Predict what will happen. Evaluate snow Record results in a simple bar chart.	Make careful observations. Ask and answer simple questions. Plan simple tests Ask how and why questions. Show curiosity and question why things happen. Observe and describe what they see using everyday language.	Test out ideas to find out new things. Explain why it is important to clean our teeth. Ask questions about why firefighters need to stay fit and healthy. Make basic predictions. Give detailed descriptions and record results using pictures. Use observation skills to solve problems.	Notice similarities and differences within the seasons. Make sensible predictions about where animals may live. Explain in simple terms how animals adapt to their habitat. Ask questions to help research facts about an animal. Apply knowledge of animals through movement. Ask simple questions. Group using observation skills. Make simple predictions. Draw pictures using my observation skills. Make careful observations.	Draw pictures or spot different materials in the environment. Notice similarities and differences within the materials.
Key Vocabulary	Head, nose, ears, neck, leg, knee, foot, toes, arm, hands, fingers, chest, tummy. Baby, toddler, teenager, adult, elderly. Sight, sound, taste, smell, touch.	Spider, Halloween, head, body, fangs, legs, eyes. Creepy crawlies, Christmas, snow, units, chocolate, cold, freezing, melting, soft.	Wet, dry, absorption, liquid, float, sink, waterproof, wind, blow, strong, hard, light, heavy, material. Bright, dark, black, light, day, red, yellow, green, blue, pink, orange, purple, violet, torch, sun	People, dentist, firefighter, police officer, teacher, teeth, health, safe, safety, 999, emergency, emergency services, hygiene, rot, infection, help, support.	Animal, seasons, hibernation, habitat, warm, cold, rest, fat, movement, Earth, live, weather, food, shelter. Fish, sea, life, ocean, ocean floor, sand, silt, creature, coral reef, shore, rockpool, habitat, turtle, eye, fin, tail, mouth, gills, float, sink, barnacle, shrimp, crab, lobster, dolphin, seal, sea otter, whale, sea slug, starfish, octopus, jellyfish, shark, sea urchin, stingray.	Materials, properties, dull, shiny, stiff, stretchy, malleable, hard, soft, flexible, rough, smooth, scientist.