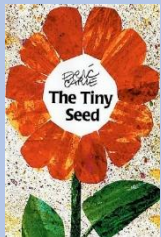
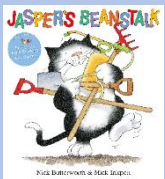
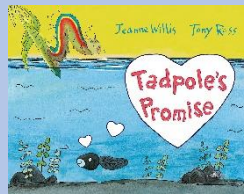
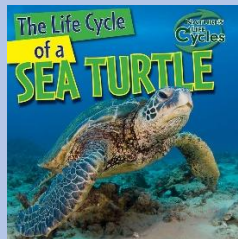
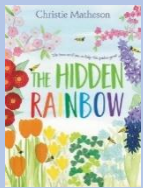
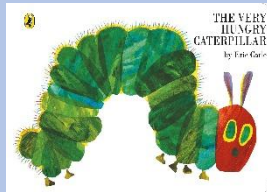
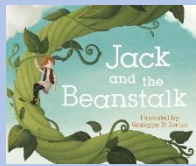


Greenpark Academy Reception Knowledge Organiser

Summer term – Our Beautiful World

Books to share:



Words I need to know

Plant – A living thing which has roots in the ground or in water. They grow from seeds to bulbs.

Seeds – The small parts produced by plants from which new plants grow.

Root – The roots anchor the plant to the ground. They also take in water and nutrients

Stem – Keeps the plant upright. Takes food and water from the roots to the flower.


Leaves – Turns sunlight into food for the plant

Flower – Is bright, colourful and smells nice to attract bees, birds and butterflies. Helps the plant to make seeds and fruit.

Lifecycle – The journey of a living thing from beginning to end.

Egg - An object which contains the baby of a bird, reptile, fish, insect, arachnid or amphibian.

Metamorphosis - The transformation that some animals go through to become an adult e.g. caterpillars to butterflies.

 <p>5 Things Plants Need</p> <p>Water</p> <p>Light</p> <p>Nutrients</p> <p>Space to Grow</p> <p>Air</p>	<p>Links:</p> <p>What is a Plant? https://www.bbc.co.uk/teach/class-clips-video/articles/zp6xnk7</p> <p>What is a Lifecycle? https://www.bbc.co.uk/bitesize/articles/zyr87v4</p> <p>Let's Go for a Walk https://www.bbc.co.uk/iplayer/episodes/m000fjck/lets-go-for-a-walk</p> <p>I Can Grow It https://www.bbc.co.uk/iplayer/episodes/m002sjxs/i-can-grow-it?seriesId=m002sjxs-structural-1-m002sjxr</p> <p>Ranger Hamza's Eco Quest https://www.bbc.co.uk/iplayer/episodes/m001bgjl/ranger-hamzas-eco-quest</p>	<p>Learning:</p> <ul style="list-style-type: none"> • To know that a lifecycle is the journey of a living thing from beginning to end. • To know that some animals give birth to live young and some animals lay eggs. • To know the lifecycle of different animals may be different. • To know that plants follow a set lifecycle. • To know the basic parts of a plant are the roots, stem, leaves and flower. • To know that the roots absorb water and minerals from the soil. • To know that the stem transports water around the plant. • To know that the leaves make food through the process of photosynthesis. • To know that the flower attracts insects, which collect pollen from the plant. • To know that plants need water, light and air to grow. • To know that plants use the energy from the sun to grow and that this is called photosynthesis. • To know that seeds can be dispersed by the wind, water, sticking to things, exploding and being eaten by animals.
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Questions:

What do seeds need to grow?
 Where do fruit and vegetables come from?
 Why is it important to grow plants and trees?
 Do all baby animals look the same?
 How do animal babies change?

Key Knowledge

- Show an understanding of what plants need to survive.
- Draw life cycle of a plant and label the parts.
- Know the stages of life of animals like frogs, ducks and butterflies.
- Investigate & describe basic needs that humans & animals require to stay alive.

<p style="text-align: center;">Physical Development</p> <ul style="list-style-type: none"> - Negotiate space and obstacles safely, with consideration for themselves and others. - Demonstrate strength, balance and coordination when playing. - Move energetically, such as running, jumping, dancing, hopping, skipping and climbing. - Hold a pencil effectively in preparation for fluent writing – using the tripod grip in almost all cases. - Use a range of small tools, including scissors, paintbrushes and cutlery. - Begin to show accuracy and care when drawing. 	<p style="text-align: center;">Personal, Social and Emotional Development</p> <ul style="list-style-type: none"> - Show an understanding of their own feelings and those of others, and begin to regulate their behaviour accordingly. - Set and work towards simple goals, being able to wait for what they want and control their immediate impulses when appropriate. - 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. - Be confident to try new activities and show independence, resilience and perseverance in the face of challenge. - Explain the reasons for rules, know right from wrong and try to behave accordingly. - Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices. - Work and play cooperatively and take turns with others. - Form positive attachments to adults and friendships with peers. - Show sensitivity to their own and to others' needs. 	<p style="text-align: center;">Literacy</p> <ul style="list-style-type: none"> - Demonstrate understanding of what has been read to them by retelling stories and narratives using their own words and recently introduced vocabulary. - Anticipate (where appropriate) key events in stories. - Use and understand recently introduced vocabulary during discussions about stories, nonfiction, rhymes and poems and during role play. - Say a sound for each letter in the alphabet and at least 10 digraphs. - Read words consistent with their phonic knowledge by sound-blending. - Read aloud simple sentences and books that are consistent with their phonic knowledge, including some common exception words. - Write recognisable letters, most of which are correctly formed. - Spell words by identifying sounds in them and representing the sounds with a letter or letters. - Write simple phrases and sentences that can be read by others.
<p style="text-align: center;">Understanding The World</p> <ul style="list-style-type: none"> - Talk about the lives of the people around them and their roles in society. - Know some similarities and differences between things in the past and now, drawing on their experiences and what has been read in class. - Understand the past through settings, characters and events encountered in books read in class and storytelling. - Describe their immediate environment using knowledge from observation, discussion, stories, non-fiction texts and maps. - Know some similarities and differences between different religious and cultural communities in this country, drawing on their experiences and what has been read in class. - Explain some similarities and differences between life in this country and life in other countries, drawing on knowledge from stories, non-fiction texts and (when appropriate) maps. - 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. 	<p style="text-align: center;">Expressive Arts and Design</p> <ul style="list-style-type: none"> - Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. - Share their creations, explaining the process they have used. - Make use of props and materials when role playing characters in narratives and stories. - Invent, adapt and recount narratives and stories with peers and their teacher. - Sing a range of well-known nursery rhymes and songs. - Perform songs, rhymes, poems and stories with others, and (when appropriate) try to move in time with music. 	<p style="text-align: center;">Mathematics</p> <ul style="list-style-type: none"> - Have a deep understanding of number to 10, including the composition of each number. - Subitise (recognise quantities without counting) up to 5. - Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. - Numerical Patterns - Verbally count beyond 20, recognising the pattern of the counting system. - Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. - Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.
<p style="text-align: center;">Communication and Language</p> <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. - Hold conversation when engaged in back-and-forth exchanges with their teacher and peers. - 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. - Express their ideas and feelings about their experiences using full sentences, including use of past, present and future tenses and making use of conjunctions, with modelling and support from their teacher. 		