

## What are the aims and intentions of this curriculum?

Reception

That children:

- are allowed to explore and discover the science in the world around them.
- are provided with the opportunities to develop their curiosity and to ask questions.

Unit	Topic	Knowledge	Skills	Vocabulary
1	Plants	Know that seeds need water, light and soil in order to grow. Describe some changes as a seed grows.	Compare plants and trees using everyday language. Observe changes over time. Compare and sort plants using simple characteristics; green leaves/ brown leaves etc. Ask questions about plants and trees.  Predict what will happen to a seed.	different, same, light, change
2	Materials	Know the names of six natural materials and two man-made. Know that some materials are better for certain purposes – cardboard for a door. Know some features of materials; hard or soft. Know how ice is made.	Identify common materials. Compare common materials. Sort/classify common materials.	water, mud, sand, wood, build, make, soft, hard, bumpy
3	Animals including humans	Know the name of eight features of their face. Know the names of 8 features of their body. Know the difference between a baby and a child. The difference between a child and a grown-up. Know the names of six safari animals and their features. Know that a caterpillar changes into a butterfly. Know the names of 5 common household pets and recognise three ways in which they can be cared for. To be able to name at least 6 African animals and describe their features. To recognise and name a woodlouse, caterpillar and butterfly.	Identify common animals. Compare common animals. Sort animals. Classify (according to how they look) Mark-make, draw and label animals. Observe animals. Observe changes over time (lambs at the farm/ sheep) Identify patterns; they both eat grass	chin, cheek, eyebrow, eyelash, back, neck, hips  rhino, hippo, hooves, tusks, woodlouse, caterpillar, butterfly, spin, pet, hamster
4	Seasonal changes	To make some simple comparisons between the four seasons.	Observe, describe, and compare seasonal characteristics & changes. Gather information. Ask simple questions.	Warm, cloud, spring, summer, autumn, winter, bare