Discuss and compare seasons as children experience the change throughout the year

Explore the forces they experience and feel (Push, pull, magnets, attract, repel)

Ask questions and give explanations

Healthy eating and oral hygiene. Where does our food come from?

Making comparisons between different materials and their properties

Investigation and exploration using natural materials found in our environment

Explain how we can care for our environment and living things

Recognise environments that are different from their own

Discuss weather and compare to countries around the world

Make observations

Discuss how animals behave differently in different seasons (Hibernation/ adaptation)

Explore their natural world using 5 senses with hands on experiences

How do we provide a foundation of Science skills and knowledge in Early Years?

Make observational drawings of the natural world, including plants and animals

Explore and experiment with changes in materials, focusing on similarities and differences

Explore and experiment with sinking and floating

Use new vocabulary to predict, discuss ideas and findings

Explore different sounds and vibrations in their environment

Sing songs and rhymes about the world around us

Investigate shadows, light and dark

Compare habitats of living things

Name familiar animals and plants in their environment

Understand growth and decay

Talk about what they see, using a wide vocabulary (UW)

Use all their senses in hands-on exploration of natural materials (UW)

Talk about the differences between materials and changes they notice (UW)

Begin to understand the need to respect and care for the natural environment and all living things (UW)

Understand the key features of the life cycle of a plant and an animal (UW)

Make healthy choices about food, drink, activity and tooth brushing (PSE)

Explore collections of materials with similar and/or different properties (UW)

Begin to make sense of their own life-story and family’s history (UW)

Explore and talk about different forces they can feel (UW)

Plant seeds and care for growing plants (UW)

Understand ‘why’ questions, like: “Why do you think the caterpillar got so fat?” (CL)

Explore how things work. (UW)

Bearpark Nursery curriculum links to Science

Age 3 to 4

Age 2 to 3

Consider what to do with different materials (EAD)

Explore natural materials, indoors and outside (UW)

Explore materials with different properties (UW)

Repeat actions that have an effect (UW)

Understand simple questions (CL)

Explore and respond to different natural phenomena in their setting and on trips (UW)

Show attention to sounds (EAD)

Notice and ask questions (PSE)

Enjoy exploring new places (PSE)

Make comments and share own ideas (Lit)

Make comments about what they have heard and ask questions to clarify their understanding (CL)

Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices (PSE)

Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter (UW)

Explore the natural world around them, making observations and drawing pictures of animals and plants (UW)

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 (UW)

Bearpark Reception curriculum links to Science

ELG’s

Know and talk about the different factors that support their overall health and wellbeing: regular physical activity, healthy eating, tooth brushing, sensible amounts of ‘screen time’, having a good sleep routine and being a safe pedestrian (PSE)

Reception

Understand the effect of changing seasons on the natural world around them (UW)

Recognise some environments that are different to the one in which they live (UW)

Explore the natural world around them (UW)

Learn new vocabulary (CL)

Ask questions to find out more and to check what has been said to them (CL)

Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen (CL)

Describe what they see, hear and feel while they are outside (UW)

Describe events in some detail (CL)

Use new vocabulary in different contexts (CL)

Articulate their ideas and thoughts in well-formed sentences (CL)