

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

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

Making comparisons between different materials and their properties

Discuss how animals behave differently in different seasons (Hibernation/

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

Investigation and exploration using natural materials found in our environment

Make observations

Sing songs and rhymes about the world around us

Name familiar animals and plants in their environment

Ask questions and give explanations

Recognise environments that are different from their own

Use new vocabulary to predict, discuss ideas and findings

Compare habitats of living things

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

Discuss weather and compare to countries around the world

Explore different sounds and vibrations in their

Understand growth and decay

Explain how we can care for our environment and living things

Explore and experiment with sinking and floating

Investigate shadows, light and dark

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

Explore their natural world using 5 senses with hands on experiences

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

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

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

Understand
'why'
questions, like:
"Why do you
think the
caterpillar got
so fat?" (CL)

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

Explore how
things work. (UW)

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

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

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

Plant seeds and
care for growing
plants (UW)

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

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

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

Howden-Le-Wear Nursery curriculum links to Science

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

Understand
simple questions
(CL)

Repeat
actions that
have an
effect (UW)

Explore
materials with
different
properties (UW)

Explore natural
materials,
indoors and
outside (UW)

Consider what
to do with
different
materials (EAD)

Make
comments and
share own ideas
(Lit)

Enjoy exploring
new places (PSE)

Notice and ask
questions (PSE)

Show attention
to sounds
(EAD)

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

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)

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

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

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

Howden-Le-Wear Reception curriculum links to Science

ELG's

Reception

Learn new vocabulary (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)

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

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

Explore the natural world around them (UW)

Use new vocabulary in different contexts (CL)

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

Describe events in some detail (CL)

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

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

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)