

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/
adaptation)

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

Investigation and
exploration using
natural materials
found in our
environment

Make
observations

Ask questions
and give
explanations

Recognise
environments
that are different
from their own

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

Discuss weather
and compare to
countries around
the world

Explain
how we can
care for our
environmen
t and living
things

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

Investigate
shadows, light
and dark

Understand
growth and
decay

Explore
different sounds
and vibrations
in their
environment

Explore and
experiment with
sinking and
floating

Use new
vocabulary to
predict, discuss
ideas and findings

Sing songs and
rhymes about the
world around us

Name familiar
animals and
plants in their
environment

Compare
habitats of living
things

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

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

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)

Bearpark Nursery curriculum links to Science

Age 3 to 4

Age 2 to 3

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 (PSE)

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)

Bearpark 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)