Newport Infant School and Nursery Science KS1 Curriculum

Year 1 End Points

What children at Newport Infant and Nursery School will know and do by the end of Year 1:

Plants

Name of a variety of plants, trees and flowers and can describe their structure.

Animals, including humans

Compare and describe a range of common animals types.

Name parts of the human body and their purpose, including senses.

Everyday materials

Name common everyday materials and their purpose.

know the physical properties of everyday materials.

Understand that materials can be grouped by their properties.

Seasonal changes

know that there are 4 seasons and understand the changes this brings to the environment.

Autumn	Spring	Summer
Our Environment (seasonal changes) I know that Autumn brings changes to the natural environment (weather, plants and light). I know that Winter brings changes to the natural environment and I know how these changes differ to Autumn. I can use my own observations to describe Autumn changes that take place in vegetation and animal life across the year in our school outdoor environment through muddy clubs, seasonal walks and planting and caring for plants, flowers and vegetables in our allotments. I can respect and handle living things in my environment. (allotment bed cycle). I understand the need to respect living things and the environment I know vocabulary and everyday terms to describe simple features of living things or events that I observe. I know how to present the evidence that I have collected in simple templates	Our Environment (seasonal changes) I know how Spring flowers grow and change over time and I can observe these changes. I can use my own observations to describe Spring changes that take place in vegetation and animal life across the year in our school outdoor environment through muddy clubs, seasonal walks and planting and caring for plants, flowers and vegetables in our allotments. I can respect and handle living things in my environment. (allotment bed cycle). I understand the need to respect living things and the environment I know vocabulary and everyday terms to describe simple features of living things or events that I observe. I can present the evidence that I have collected in simple templates	Our Environment (seasonal changes) I know that Summer brings changes to the natural world and can compare aal four seasons, talking about the differences between all four. I can use my own observations to describe Summer changes that take place in vegetation and animal life across the year in our school outdoor environment through muddy clubs, seasonal walks and planting and caring for plants, flowers and vegetables in our allotments. I can respect and handle living things in my environment. (allotment bed cycle). I understand the need to respect living things and the environment I know vocabulary and everyday terms to describe simple features of living things or events that I observe. I can present the evidence that I have collected in simple templates
The Animal Kingdom - Humans	The Animal Kingdom - Humans	The Animal Kingdom – Humans I know and can identify ways that I have grown from a baby to a young child. I know that humans have babies which grow into adults. I know that humans need water, air and food to survive. I can name parts of the human body and know what they are used for I know and can talk about the human senses. I know and can identify what is needed for a healthy diet and what foods are healthy. I know how exercise helps to keeps bones and muscles healthy.

Newport Infant School and Nursery Science KS1 Curriculum

		I know that humans need to keep good hygiene by washing regularly, having clean clothes, brushing their teeth and hair.
<u>The Animal Kingdom - Animals</u>	<u>The Animal Kingdom – Animals</u> I have joined the RSPB National birdwatch and can spot birds in their natural environment looking at similarities and differences. I can identify and name some common garden birds.	<u>The Animal Kingdom – Animals</u> I know animals from my EYFS topics and some facts about their habitats and physical features. I can identify and name a variety of common animals including fish. Amphibians, reptiles, birds and mammals. I know that some animals are nocturnal and some animals are diurnal. I can describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets).
<u>The use of everyday materials</u> I know that objects look and feel different based on the material that they are made from. I can explain properties of some materials, including glass, wood, plastic, metal, water and rock. I know the difference between an object and the material from which it is made. I know that materials are used for different purposes based on their properties. Eg, glass for windows. Metal for coins and cans.	<u>The use of everyday materials</u> I know, can compare and group a variety of everyday materials on the basis of their physical properties. I can describe the physical properties of some everyday materials. I know how different materials are suited for different uses. I know that the shape of materials can be changed when they are stretched, twisted, bent and squashed.	<u>The use of everyday materials</u>
<u>Plants</u> I know a variety of common wild and garden plants, including deciduous and ever green trees. I can identify a variety of common wild and garden plants, including deciduous and evergreen trees. I can describe the basic structure of a variety of trees.	<u>Plants</u> I can make observations of spring flowers, and other fruits and vegetables noticing how they change as they grow, just like people. I know the names of the basic structure of a variety of common flowering plants I can identify the basic structure of a variety of common flowering plants	<u>Plants</u> I know that plants change over time and understand the lifecycle of a bean. I know and can describe the basic structure of a variety of common flowering plants I know that plants are living things that require water, warmth, nutrients and light to grow. I understand what happens if we do not care for plants and living things correctly. I know and can talk about how plants change with the seasons I know what a seed is I understand the difference between seeds and ither objects I can identify a seed I know and can order the life of a Plant life cycls (the life cycle of a sunflower)

<u>Year 2 End Points</u>

What children at Newport Infant and Nursery School will know and do by the end of Year 2:

Living things and their habitats
I know that living things live in habitats that provide their basic needs.
I know a variety of plants and animals, including microhabitats.

Newport Infant School and Nursery Science KS1 Curriculum

I understand basic food chains.

Plants
I know how seeds and bulbs grow and what they need to grow healthily.

Animals, including humans
I know that animals, including humans have offspring that grow into adults.
I know the basic needs of animals and humans and understand the importance of living a healthy lifestyle.

Use of everyday materials
I understand the suitability and use of every day materials.
I know how solid objects from some materials can be changed.

Autumn	Spring	Summer
<u>Living things and their habitats</u>	<u>Living things and their habitats</u>	<u>Living things and their habitats</u> I can classify things as living, once alive and never alive. I know that Dinosaurs are extinct now but were one alive. I can classify dinosaurs as carnivores, herbivores and omnivores. I know the names of a variety of animals in their habitat, including micro-habitats and I understand and know that animals and plants depend on each other to survive. I know how animals obtain their food from plants and other animal, using the idea of a simple food chain. I can identify and name the simple sources of food.
<u>Plants</u> I can observe and talk about how seeds and bulbs grow into mature plants.	<u>Plants</u> I can observe spring flowers, and other fruits and vegetables noticing how they change as they grow, just like people.	<u>Plants</u> I can observe summer flowers, and other fruits and vegetables noticing how they change as they grow, just like people. I can label some features of a flower. I know that plants change over time and understand the lifecycle of a bean. I can dentify and name a variety of common wild and garden plants, including deciduous and evergreen trees. I can identify and describe the basic structure of a variety of common flowering plants including trees. I know that plants are living things that require water, warmth, nutrients and light to grow. I understand what happens if we do not care for plants and living things correctly. I know and can talk about how plants change with the seasons I know what a seed is

Newport Infant School and Nursery Science KS1 Curriculum

		I understand the difference between seeds, bulbs and other objects I can identify a seed Plant life cycles (the life cycle of a sunflower) I know that plants can: move, grow, react to their surroundings, absorb nutrients, and reproduce.
<u>The Animal Kingdom – Animals</u> I know that animals have offspring which grow into adults. I can identify some common offspring and match to their adult. I know what carnivores, herbivores and omnivores are and I can identify some. I know that some animals are nocturnal and some animals are diurnal. I know how to find out about and describe the basic needs of animals to survive (water, food and air). I understand how animals are suited to the habitat that they live through making comparisons and identifying the contrasts between the Artic, desert, rainforest.	<u>The Animal Kingdom – Animals</u>	<u>The Animal Kingdom – Animals</u>
<u>The Animal Kingdom - Humans</u>	<u>The Animal Kingdom - Humans</u>	<u>The Animal Kingdom - Humans</u> I know and can identify ways that I have grown from a baby to a young child. I know that humans have babies which grow into adults. I know that humans need water, air and food to survive. I can name of some parts of the human body and what they are used for. I can identify and talk about the human senses. I know what is needed for a healthy diet and what foods are healthy. I know how exercise helps to keeps bones and muscles healthy. I understand that humans need to keep good hygiene by washing regularly, having clean clothes, brushing their teeth and hair. I can identify foods for a healthy and balanced and I understand why this is important for humans to keep heathy. I can identify exercises that help to keep my body healthy and how they keep my muscles and bones healthy. I know how that exercise helps to keeps bones and muscles healthy. I know about medicines given by doctors and how to be safe around medicines.
<u>The use of everyday materials</u>	<u>The use of everyday materials</u> I know that objects look and feel different based on the material that they are made from. I can name and talk about the properties of some materials, including glass, wood, plastic, metal, water and rock. I can distinguish between an object and the material from which it is made. I know that materials are used for different purposes based on their properties. Eg, glass for windows. Metal for coins and cans. I can compare and group a variety of everyday materials on the basis of their physical properties. I know can describe the physical properties of some everyday materials. I can identify some of the ways that make different materials suited for different uses.	

Newport Infant School and Nursery Science KS1 Curriculum

	I can explore and know how the shape of materials can be changed when they are stretched, twisted, bent, and squashed.	

Yellow highlight indicates this is a revisit/review

Assessment at the end of the year is against the National Curriculum. Statements:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/425618/PRIMARY_national_curriculum_-_Science.pdf