WELCOME TO:

Science

At Monkwick Infants and Nursery school we know that our children have a passion and natural interest in the natural world around them. They show a natural investigative nature and are excited by finding new things out through real experiences and investigation. We aim to provide our children with the highest quality lessons where they are taught the knowledge that they need to develop their scientific inquiry and questioning. This is also supported through practical lessons where they can see the knowledge applied to real life. We have developed a curriculum that deepens children's knowledge so that they have the key skills to become the best scientists.

The national curriculum for Science aims to ensure that: 'children develop scientific knowledge and understanding, develop understanding of the natures, processes and methods of science and understand the uses and implications of science today and for the future.'

Science

Which skills will your child be covering?

How can you help your child?

What our children say about Science!

CONTENTS

Which skills will your children be covering?

	Working Scientifically	Plants	Animals (including humans)	Living things and their habitats	Materials	Seasonal changes
N	Answer questions and make observations	Plant a seed, water, growth, care and concern.	Observe animals, name animals, look at animals and link to small world play, books and photographs of pets.		Describe materials- texture, appearance, taste and smell.	
R	Ask and answer questions, make observations and comment.	Look at parts of a plant seeds in fruit, care and concern, looking at seedlings.	Sort and group animals, compare animals, name and describe animals, small world, real life experiences, life cycle of a butterfly, non-fiction books, trip to farm and nature reserve.		Describe materials and purpose, compare materials, sort and test materials, floating and sinking, experiments, construct with materials, challenges.	Discussion about days of the week, months of the year, the weather each day, linking to maths.
Yr 1	Ask simple questions, observe closely using simple equipment, perform simple tests, identify and classify, use observations and ideas to suggest answers to questions, gather and record data to help in answering questions.	Identify and name a variety of common plants, including garden plants, wild plants and trees and those classified as deciduous and evergreen, identify and describe the basic structure of a variety of common flowering plants, including roots, stem/trunk, leaves and flowers.	Identify and name a variety of common animals, including carnivores, herbivores and omnivores, describe and compare the structure of a variety of common animals, identify, name, draw and label the basic parts of the human body and look at the senses.		Distinguish between an object and the material from which it is made, identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock, describe the simple physical properties of a variety of everyday materials, compare and group together a variety of everyday materials on the basis of their simple physical properties.	Observe changes across the four seasons.
Yr 2	Ask simple questions, observe closely using simple equipment,	Observe and describe how seeds and bulbs grow into mature plants, find out	Understand that animals, including humans, have offspring which	Explore and compare the differences between things that are living, that are dead and that have never been alive,	Identify and compare the suitability of a variety of everyday	Observe and describe weather associated with the seasons and how day length

	perform simple tests, identify and classify, use observations and ideas to suggest answers to questions, gather and record data to help in answering questions.	and describe how plants need water, light and a suitable temperature to grow and stay healthy.	grow into adults, investigate and describe the basic needs of animals, including humans, for survival (water, food and air), describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.	identify that most living things live in habitats to which they are suited and describe how different habitats provide basic needs of different kinds of animals and plants and how they depend in each other, Identify and name a variety of plants and animals in their habitats, including micro-habitats, describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, name and describe sources of food.	materials, including wood, metal, plastic, glass, brick/rock, and paper/cardboard for particular uses, find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	varies.

How can you help your child?

We know that our children love Science and finding out about the world around them. Supporting your children to develop and be naturally inquisitive at home will help reinforce what is being learnt in school.

Useful Links:

Dyson challenge cards - https://www.jamesdysonfoundation.co.uk/content/dam/pdf/JDF_with%20cover%20challenge-cards_DIGITAL.pdf

Dyson top five engineering challenges to do at home- https://www.dyson.co.uk/newsroom/overview/update/top-five-engineering-challenges-to-do-at-home

Wow science for kids- https://wowscience.co.uk/

NASA for kids- https://www.nasa.gov/kidsclub/index.html

Kids National Geographic website- https://kids.nationalgeographic.com/

What our children say about Science at Monkwick Infant School!

“I love science because I want to be a Scientist”- Year 2

“Sometimes we learn about nature in science and I love nature” - Year 2

“We did some amazing experiments!”- Year 2

“We enjoyed learning about materials and describing them” - Year 1

“We looked at the tree each month to see how it changed” - Year 1

“I liked learning about our senses and using them to taste, smell and touch” - Year 1