

Doha British School – Wakra

Science – KS1 & KS2

Intent Curriculum Road Map



- To develop a strong understanding of the world & to acquire scientific KUS
- To gain an understanding of scientific processes & the uses and implications of science, today and for the future
- To develop and use a range of skills including observations, planning and investigating

Key to show links:

Chemistry (C)

Biology (B)

Physics (P)

In Year 6...

- I will identify, name & describe the main parts of the human circulatory system (B)
- I will describe how living things are classified into broad groups according to common observable characteristics & similarities (B)
- Using fossils, I will recognise that living things have changed over time (B)
- I will identify how animals and plants are adapted to suit their environment in different ways (B)
- I will explain how light travels from light sources to our eyes (P)
- I will describe how components function and use recognised symbols when representing a simple circuit (P)

In Year 5...

- I will describe the differences in the life cycles of mammals, amphibians, insects and birds (B)
- I will compare and group together everyday materials by their properties and explain how some changes result (P) (C)
- I will use knowledge of solids, liquids and gases to decide how mixtures might be separated (P) (C)
- I will identify the effects of air resistance, water resistance and friction (P) (C)
- I will describe the movement of the Earth, and other planets, relative to the Sun in the solar system (P)

In Year 4...

- I will describe the simple functions of the digestive system & teeth in humans (B)
- I will explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment (B)
- I will compare and group materials together and observe that some materials change state (C)
- I will construct a simple series electrical circuit (P)

In Year 3...

- I will identify & describe the functions of different parts of flowering plants (B)
- I will identify that animals, including humans, need the right types and amount of nutrition (B)
- I will understand that humans and some other animals have skeletons and muscles for support, protection and movement (B)
- I will compare and group together different kinds of rocks (P)
- I will know what the process of fossilisation is (C)
- I will understand light and shadows (P)
- I will observe how magnets attract or repel each other (C)



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In Year 2...

- I will observe and describe how seeds and bulbs grow into mature plants (B)
- I will know that animals, including humans, have offspring which grow into adults (B)
- I will identify and compare the suitability of a variety of everyday materials for different uses (P)
- I will identify and name a variety of plants and animals in their habitats (B)

In Year 1...

- I will identify, name and describe common plants & animals (B)
- I will identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense (B)
- I will identify, name, describe and compare different everyday materials (P)
- I will observe and describe weather associated with the different seasons (P)

In Reception...

- I will be able to choose and eat a range of healthy food and understand the need for variety of foods (B)
- I will be able to practise healthy living: exercising, eating, sleeping and good hygiene (B)
- I will be able to talk about plants and animals and how things occur or change over time (B)

In EYFS...

- I will be able to wash and dry my hands (B)
- I will be able to talk about plants and different animals (B)
- I will be able to care for living things and the environment (B)



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