



St John's CE Middle School

Key Performance Indicators

Pupils who are working at age related expectations at the end of the year will have a secure knowledge of these Key Performance Indicators.

KS2 Year 6 Science

Biology

Nature Library
Describe the life cycles of butterflies
Describe the behaviour of invertebrates in their habitats
Describe how classification works
Describe the key features of vertebrates
Describe the key features of invertebrates
Describe the features of the 3 Kingdoms: Fungi, Bacteria and Protista
The Body
Identify the main parts of the circulatory system and the heart
Describe the functions of the heart
Describe the different blood vessels in body and what they transport throughout the body
Describe the four main food groups
Are able to take their pulse rate and collect data on the effect of exercise on their pulse rate
Describe how exercise forms part of a healthy lifestyle
Describe the effects of drugs and smoking on our health
Everything Changes
Describe the advantages and disadvantages of selective breeding of food
Describe how living things are adapted to their environment
Describe why living things become extinct
Explain how fossils are used to look into the past
Describe natural selection

Chemistry

Marvellous Mixtures

Describe the effect of dissolving, evaporating & condensing on separating solutions

Write a method of how to separate pure salt from a rock salt mixture
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Describe what happens when oil and lemonade mix

Physics

Electricity

Make simple Circuits

Explain the role of electrons in circuits and how resistance occurs

Identify electrical symbols

Can construct a burglar alarm

Light

Create a model to explain how light travels

Describe how a pinhole camera works

Investigate how different variables affect shadow sizes; and then describe how they form
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*Draw a labelled ray diagram explaining $i=r$ *

Explain what happens when light travels through a lens
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Explain why a prism forms a spectrum and how secondary colours are formed
