



## **Bodyworks** KS1/Lower KS2

**Duration: 1 hour, max capacity: 35 students**

An exciting workshop where students learn more about the insides and outsides of their own amazing bodies, use digital microscopes, diagnose broken bones with real x-rays, and turn their classmates inside out!

### **Key Words:**

Human body, Organs, Microscopes, Investigation, X-rays, Senses, MRI.

### **Learning objectives**

#### **KS1:**

Understand the location and function of the senses.

#### **KS1 & Lower KS2:**

Promote an interest in human biology and how the body works.

Identify some key human organs and their functions.

Handle and use a digital microscope to make observations.

Understand the functions of major organs and place organs in the correct place on an “organ tunic”.

Examine real x-rays and identify the bones of the human skeleton (including broken and fractured bones - KS2).

#### **Lower KS2:**

Understand how equipment and techniques (such as x-rays, MRI scans and microscopes) can help us learn about the human body.

### **Content:**

#### **KS1:**

Explore their senses with a mystery object.

#### **KS1 & Lower KS2:**

Examine features of the human body, such as skin, teeth, ears and nose with a digital microscope.

Identify and name the bones of the human skeleton (including where bones are broken - KS2).

Label the organs of the human body with their names and functions.

Identify the correct place for each organ on a model of a human body.

#### **Lower KS2:**

Discuss the functions of the different parts of the human body – tissues, organs and bones.

Investigate the features of the human body that can be seen using an MRI scan.

### **Curriculum Links:**

**Year 1: Animals, including humans** Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.

**Year 1 & 2: Working scientifically** Asking simple questions and recognising that they can be answered in different ways.

**Year 1 & 2: Working scientifically** Observing closely, using simple equipment.

**Year 1 & 2: Working scientifically** Using their observations and ideas to suggest answers to questions.

**Year 3: Animals, including humans** Identify that humans and some other animals have skeletons and muscles for support, protection and movement

**Year 4: Animals, including humans** Describe the simple functions of the basic parts of the digestive system in humans



**Potential Hazards**

Citrus allergen warning