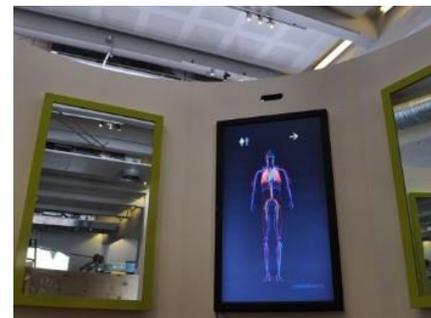


# Body mirror



## Location

Ground floor, All About Us exhibition

## In a nutshell

Meet a very revealing reflection. This mirror gives you a glimpse beneath the skin.

## What to do

Students stand at the focal point of a curved wall of mirrors and a central digital screen. The screen responds to their body movements and reveals the variety of body systems beneath their skin. They should move their arms to select the sex or the arrow to change the body system.

## Time Required

KS3 & KS4 4-5 minutes per student.

## What's happening?

The human body consists of different parts according to function. This exhibit shows you some of the organ systems of the body.

- Nervous system** – controls thought, sensation, movement and virtually all other body activities
- Endocrine system** – regulates body functions using chemicals (hormones)
- Skeletal system** – provides structure to the body and protects internal organs
- Muscular system** – supports the body and allows it to move

The others are: respiratory system, circulatory system, digestive system, urinary system and the reproductive system

## Curriculum links

<b>KS3</b>	<p><b>Science - The skeletal and muscular systems</b></p> <ul style="list-style-type: none"> <li>- the structure and functions of the human skeleton, to include support, protection, movement and making blood cells</li> <li>- the function of muscles and examples of antagonistic muscles.</li> </ul> <p><b>Science - Nutrition and digestion</b></p> <ul style="list-style-type: none"> <li>- the tissues and organs of the human digestive system, including adaptations to function and how the digestive system digests food (enzymes simply as biological catalysts)</li> </ul> <p><b>Design &amp; Technology</b></p> <ul style="list-style-type: none"> <li>- understand how more advanced electrical and electronic systems can be powered and used in their products [for example, circuits with heat, light, sound and movement as inputs and outputs]</li> </ul>
<b>KS4</b>	<p><b>Science - Nervous coordination and control in humans</b></p> <ul style="list-style-type: none"> <li>- explain how the structure of the nervous system (including CNS, sensory and motor neurones and sensory receptors) is adapted to its function</li> </ul> <p><b>Science - Hormonal coordination and control in humans</b></p> <ul style="list-style-type: none"> <li>- describe the principles of hormonal coordination and control by the human endocrine system</li> </ul> <p><b>Computing</b></p> <ul style="list-style-type: none"> <li>- develop their capability, creativity and knowledge in computer science, digital media and information technology</li> </ul> <p><b>Design and technology</b></p> <ul style="list-style-type: none"> <li>- how electronic systems provide functionality to products and processes, including sensors and control devices to respond to a variety of inputs, and devices to produce a range of outputs</li> </ul>

## Relates to:

Workshops & Theme Days	Shows	Trails	Other exhibits
<ul style="list-style-type: none"> <li>• Choose health (KS3 lower)</li> </ul>	<ul style="list-style-type: none"> <li>• How my body works (KS3)</li> <li>• Boggling Brains (KS3 &amp; KS4)</li> </ul>		<ul style="list-style-type: none"> <li>• Digestive run</li> <li>• Body builder</li> <li>• Torso tangle</li> <li>• Visible human project</li> </ul>

