

Body builder



Location

Ground floor, All About Us exhibition

In a nutshell

What fits where? Take a closer look at some of the layers underneath the skin with this large human layered jigsaw puzzle.

What to do

Students can put together a layered puzzle to investigate the layers under the human skin. Students will view vital organs, skeletal structure and muscles.

Time Required

KS1 & KS2 3-4 minutes per student.

What's happening?

The human body is a bit like a machine made up of organ systems. Each system works with the others to keep us alive. The skeleton provides a protective framework of 206 bones covered by over 600 muscles. The brain is the control centre, receiving and relaying electrical and chemical signals via the nerves and blood. The respiratory system absorbs oxygen from air and passes it into the blood. It passes carbon dioxide, a waste product, into the air. The circulatory system carries energy and oxygen around the body and collects waste along the way, to be excreted by the urinary system. The digestive system breaks down food to release energy and carries away solid waste.

Curriculum links

KS1/2	Science - Animals, including humans
	- (Yr 3) identify that humans and some other animals have skeletons and muscles for support, protection and movement.
	- (Yr 4) describe the simple functions of the basic parts of the digestive system in humans
	English - Spoken language
	- maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments
	- use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- consider and evaluate different viewpoints, attending to and building on the contributions of others	
English - Reading – word reading	
- (Yr1) apply phonic knowledge and skills as the route to decode words	
- (Yr2) continue to apply phonic knowledge and skills as the route to decode words until automatic decoding has become embedded and reading is fluent	
- (Yr 3-6) apply their growing knowledge of root words, prefixes and suffixes (etymology and morphology) as listed in English Appendix 1, both to read aloud and to understand the meaning of new words they meet	
English - Reading – comprehension	
- (Yr1) discussing word meanings, linking new meanings to those already known	
- (Yr2) discussing and clarifying the meanings of words, linking new meanings to known vocabulary	

Relates to:

Workshops & Theme Days	Shows	Trails	Other exhibits
<ul style="list-style-type: none"> • Body basics (KS1) • Digest this! (KS2) • Brain and body theme day (KS1 & KS2 lower) • Choose health (KS2 upper) 	<ul style="list-style-type: none"> • How my body works (KS2) 		<ul style="list-style-type: none"> • Digestive run • Body mirror • Torso tangle • Visible human project

