

Linked learning theme: My Life, My World

Autumn term, Year 4

Science – Human body

Prior Knowledge

In Y3, children learnt about keeping healthy, nutrition and caring for our teeth.

Core knowledge

- Humans and some other animals have a skeleton for support, protection and movement.
- Some animals have an exoskeleton or no bony skeleton.
- We use muscles for movement.
- Muscles are attached to bones and contract to make joints move.
- We have different types of joints including ball and socket joints and hinge joints.
- The digestive system breaks down food for the body to absorb.
- Digestion begins in the mouth where food is chewed and mixed with saliva.
- The oesophagus is a soft tube that takes food from the mouth to the stomach.
- In the stomach, food is mixed with acid and broken down.
- The small intestine absorbs nutrients from food. 90% of food absorption takes place here.
- The large intestine absorbs water and salt.

Key skills

- Ask relevant scientific questions.
- Make careful observations.
- Use some scientific language when reporting on findings.
- Use results to draw simple conclusions.
- Use straightforward scientific evidence to answer questions or support findings.

Vocabulary

skeleton	muscles	digestion	stomach
exoskeleton	ball and socket	digestive system	small intestine
support	joint	mouth	large intestine
protection	hinge joint	saliva	absorb
movement	contract	oesophagus	nutrients

Learning outcomes

- I can identify that humans and some other animals have skeletons and muscles for support, protection and movement.
- I can describe the simple functions of the basic parts of the digestive system in humans.
- I can ask relevant questions and use different types of scientific enquiries to answer them.
- I can set up simple practical enquiries, comparative and fair tests.
- I can make systematic and careful observations and, where appropriate,

take accurate measurements using standard units, using a range of equipment.