

Castlefield School - Science

Key Concepts

Year: Three

clavicle

spine

femur

knee

Vertebrates are animals that have a backbone. These skeletons are called endoskeletons - this means that the skeletons are on the inside of the bodies

• These skeletons grow with the bodies.

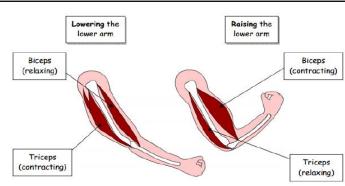
What are the different types of skeletons?



an exoskeleton. • An exoskeleton is a covering that supports and protects

Topic: Skeletons & Nutrition

animals. These have to be shed and a new skeleton is grown



What does an endoskeleton do?

skeleton does are: provide support and shape to an animal's body allow movement through the

- - ioints

foods high in vitamins include milk, sweetcorn,

Muscles contract and relax. And are connected to bones by tendons.

Joints are where bones meet - they allow our bodies to move.

What are the different types of nutrients?

- Protein help your body to grow and repair
- itself. Examples include red meat, yogurt, beans
- Carbohydrates give you energy. Examples
- include bread, potatoes, pasta Fats - give you energy. Examples include nuts,
- oils, avocados Vitamins - keep your body healthy. Examples of foods high in vitamins include oranges.

spinach

- Fibre helps you to digest the food that you have eaten. Examples of foods high in fibre include wholegrain bread, cereals and lentils Water - helps to move nutrients in your body
 - and get rid of waste that you don't need. Examples of foods high in water include celery.

halanced diet A variety of food that you regularly eat

make tighter An illness which affects people, animals or plants disease

endoskeleton exoskeleton

hygiene ioints

nutrients

muscles

organs

vertebrate

?

8

relax

The three most important things a

protect organs (e.g. the skull protects the brain)

Minerals - keep your body healthy. Examples of

To make smaller by drawing together; shrink or

Theme: The Human Body

cranium

ribs

elbow

hip

ankle

pelvis

backbone

contract

The internal skeleton of an animals, especially the bony skeleton of vertebrates

The protective structure covering the outside of the body of many animals Keeping yourself and your surroundings clean

The junction between two or more bones Something inside your body which connects two bones and are used when you move.

Strand: Biology

The column of small linked bones down the

middle of your back. Also known as spine

Key Vocabulary

A part of your body that has a particular purpose When a part of your body relaxes, it becomes less stiff or firm

Foods that contain a lot of starch (a nutrient starchy which gives you energy)

The framework of bones in your body skeleton A strong cord which joins a muscle to a bone tendons

results.

Working Scientifically Skills

Asking relevant questions.

conclusions and using

Recognising when to use

to find answers.

other sources of information

Explaining results - drawing

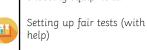


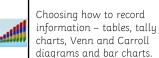
A creature which has a spine

Setting up enquiries and choosing equipment.

Substances that help plants and animals to grow







Famous Scientists

How do we move?

Diane France (1954-) solves mysteries and crimes by deciphering the stories bones tell her.