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Learning Objective: Understand the purpose and functions of the skeleton and muscles in the body

Success Criteria:

Understand the different purposes and functions of skeletons
Explain the importance of muscles
Use real life examples to aid your explanations

Starter:

Brainstorm what we have learnt so far about muscles and skeletons

Main:

Address any misconceptions that arise from the brainstorm.
Go through the different types of skeletons – endoskeleton, exoskeleton and hydrostatic skeletons.

Activity 1:

Write a list of key words and key information that we have learnt so far in this topic, particularly focussing on different types of skeleton and the importance of muscles for movement. Think about how they will explain each part of this.
Are there any diagrams that could help you explain what we have learnt so far? Children could draw the different types of skeleton.

Key questions for the children to answer:

What are the different types of skeleton and how are they different? What animals have each type of skeleton?
What does a skeleton do? Does it do more than one thing?
Is a skeleton important?
What are muscles and why are they useful? What do they help us to do? How can you show how a muscle works? Do all muscles work in the same way?

Activity 2: Create a short video explanation of the different types of skeleton with children acting out how they would move based on the different types of skeletons. Work in mixed attaining pairs.

BA:

Discuss the purpose and functions of skeletons in the body.

MA:

Discuss the purpose and functions of skeletons and muscles in the body. Identify different types of skeleton and explain why an endoskeleton is suitable for humans.

HA:

Discuss the purpose and functions of skeletons and muscles in the body. Identify different types of skeleton and explain why an endoskeleton is suitable for humans. Point to examples on a human skeleton model of how organs are protected and use their own muscles as an example.

Plenary:

Watch videos back - feedback on misconceptions or valuable information that children have missed out.