



Pet Accident & Emergency: Building Bones

Find out how bones work, what makes them special and how they grow and repair.

This unique workshop brings the expertise of bone scientists and bone vets together to learn about bones and the different ways they can be mended. Help us choose the right treatment for Dougal the dog.

Learning Level: P6 – P7
Availability: See website
Cost: £3 per pupil

Minimum attendance: 16
Maximum attendance: 34

Learning objectives

- To understand the function of the bones
- To identify how the shape of bones help them do their job
- To explore the different bone building and bone blasting cells that help bones grow and repair
- To diagnose Dougal the dog’s injury using real evidence
- To reveal the world of work in a small animal hospital and Roslin Institute lab



Pupils getting ready to work in the lab.

Workshop activities

- Looking at x-rays to diagnose different types of breaks
- Using microscopes to examine real bone and its parts
- Bone mending open-ended experimental design
- Discussion with vets, vet nurses and students from The Royal (Dick) School of Veterinary Studies that work in the Hospital for Small Animals

Curriculum links

Biological systems

Body systems and cells

By investigation of some body systems and potential problems which they may develop, I can make informed decisions to help me to maintain my health and wellbeing.

SCN 2-12a

I have explored the structure and function of organs and organ systems and can relate this to the basic biological processes required to sustain life.

SCN 3-12a

Topical science

Topical science

Through research and discussion I have an appreciation of the contribution that individuals are making to scientific discovery and invention and the impact this has made on society.

SCN 2-20b

Get hands-on
with real-life
science

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THE UNIVERSITY of EDINBURGH
Easter Bush
Science Outreach Centre

Developing the Young Workforce – “I can” statements

The following statements are supported through EBSOC’s workshops:

- “I can discuss the relevance of skills to the wider world and make connections between skills and the world of work.”
- “I can explain to others my ambitions/what I would like to do and look for ways to achieve them/that.”
- “I believe I can maximise my potential in any type of work.”



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