# Pet Accident and Emergency

Find out how vets help pets in an emergency, learn about blood and the circulatory system and help our vets choose the right treatment for Buddy the dog.

**Learning Level:** P6 – P7
**Availability:** On demand
**Cost:** £3 per pupil

## Learning objectives

- To understand the function of the heart
- To identify the major types of blood cells
- To describe the similarities and differences between dog and human circulatory systems
- To diagnose Buddy the dog's illness using real evidence
- To reveal the world of work in a small animal hospital

## Workshop activities

- Listening to heart rates and measuring pulse rates under different conditions
- Using microscopes to examine real blood samples
- Hands-on blood cell modelling activity
- Blood typing experiment
- 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 | | Topical science |
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| **Body systems and cells** | | **Topical science** |
| 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.<br><br>**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.<br><br>**SCN 3-12a** | 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** |

## Developing the Young Workforce

**This workshop supports the following *I can* statements:**

- "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."

**Get hands-on with real-life science**