

Farm Detectives



THE UNIVERSITY of EDINBURGH
Easter Bush
Science Outreach Centre

Get hands on with microorganisms and stop the spread of dangerous bacteria that are making our farm animals sick.

Learning Level: P6 – P7

Availability: On demand

Cost: £3 per pupil

Learning objectives

- To understand that microorganisms:
 - are very small living things
 - can be beneficial or harmful
 - exist as many different types
- To describe how infectious and disease causing microorganisms can spread
- To investigate how the spread of bacteria can be stopped and/or prevented
- To reveal the world of work in scientific research

Workshop activities

- Carry out a real-microbiology investigation (pre-visit)
- Using microscopes to examine and identify different microorganisms
- Hands-on disease spread experiment
- Critical thinking group activity to identify the source of a salmonella outbreak
- Discussion with scientists from The Roslin Institute

Curriculum links

Planet Earth Biodiversity and interdependence I can identify and classify examples of living things, past and present, to help me appreciate their diversity. SCN 2-01A	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	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
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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