

Dolly, DNA & Me



THE UNIVERSITY of EDINBURGH
Easter Bush
Science Outreach Centre

Look at your cells, create your own cell model and learn about your own DNA!

Learning Level: P6 – P7

Availability: On demand

Cost: £3 per pupil

Learning objectives

- To understand that living things are made of cells
- To explore the basic structure of animal cells
- To learn about DNA and its function
- To explore the difference between inherited and learned traits
- To appreciate the contribution that DNA technology has contributed to scientific discovery, and the impact this has made on society
- To reveal the world of work in scientific research

Workshop activities

- Creating model cells to learn their structure
- Using microscopes to look at pupil's own cheek cells
- Carrying out inheritance activities to understand the genetics behind their own characteristics
- Discussion with scientists from The Roslin Institute

Curriculum links

Biological systems		Topical Science
Body systems and cells By investigating 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	Inheritance By exploring the characteristics offspring inherit when living things reproduce, I can distinguish between inherited and non-inherited characteristics. SCN 2-14b	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

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.”

