

Dolly, DNA and Me

Extension Activities



THE UNIVERSITY of EDINBURGH
Easter Bush
Science Outreach Centre

Dear Teacher,

To follow on from your Dolly, DNA and Me workshop we have a few ideas for you to explore with your very own biologists!

If you do any of the activities, please let us know by tweeting your pictures @EBSOClab or email us at EBSOC@ed.ac.uk

We look forward to seeing what you do!

Kind regards,

Jayne Quoiani

Easter Bush Science Outreach Centre Officer

Origami DNA

During Dolly, DNA and Me we spoke a lot about DNA. This hands-on activity brings to life the double helix structure of DNA by enabling your students to make their paper model. You can download instruction sheets for how to make the model and there is also a short video that takes you through the process step-by-step.

<https://www.yourgenome.org/activities/origami-dna>



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Developing the Young Workforce

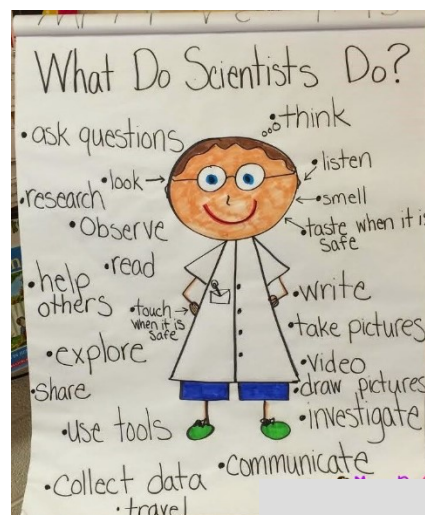
During Dolly, DNA and Me, your pupils got the opportunity to meet and speak with some of the scientists that work in The Roslin Institute.

This activity is designed to explore these DYW “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.’

Instructions

1. Write the question *What do Scientists Do?* on the board.
2. Give each group a large piece of paper and coloring pens. Encourage them to think back to the workshop, the scientists they met and the activities they did themselves.
3. Prompt them to think about the skills they (your pupils) need to do an experiment.
4. When finished, ask the pupils to swap poster with one other group and to compare their poster.
5. Give each group their poster back and give them five minutes to add to their poster, if they wish to.
6. Stick all posters up on the wall and discuss their findings.



Discussion prompts:

- Which of these skills do you have?
- Would you like to work in a science?
- Would you like to be a scientist?

Get hands-on
with real-life
science