



# PCR Masterclass: A Question of Taste

## Extension Activities

Dear Teacher,

To follow on from your PCR workshop we have a few ideas for you to explore in class!

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

We look forward to seeing what you do!

Kind regards,

Jayne Quoiani

**Easter Bush Science Outreach Centre Officer**

## Genome Generation

During *A Question of Taste* we identified something about your genotype and how that affected your phenotype. This hands-on activity brings to life the real ethical questions surrounding genetic testing. A series of cards guide you through the story and help you to explore different viewpoints. *Info cards* provide additional scientific facts and statistics to help you understand the topic area fully. *Issue cards* pose questions that help you to view the issues from different perspectives. Each of the eight scenarios is fictitious, but all are scientifically accurate. You can download all the instructions and cards by following this link:

<https://www.yourgenome.org/activities/genome-generation>





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### Developing the Young Workforce

During *A Question of Taste* workshop 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 identify the skills I have learnt across the curriculum, how these relate to the world of work and can apply these appropriately during work placements and other work-related learning.’
- ‘I can confidently access and interpret the information I need to make well informed choices about my learning options, pathways and how these relate to possible future careers.’
- ‘I can work towards achieving qualifications which support me to achieve my future career aspirations.’

### Instructions

1. Write the question *What skills do you need to work in science?* on the board.
2. Give each group a large piece of paper and marker 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) needed to do the 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.

### Common themes:

- |                                    |                           |   |
|------------------------------------|---------------------------|---|
| • Determination                    | • Patience                | • Written and oral communication skills |
| • Flexibility                      | • Creative thinking       |   |
| • Ability to organise own work     | • Good observation skills |   |
| • Attention to detail and accuracy | • Teamwork skills         | • Numeracy skills                       |

Get hands-on  
with real-life  
science



THE UNIVERSITY of EDINBURGH  
Easter Bush  
Science Outreach Centre

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### Discussion prompts:

- Which of these skills do you have?
- Would you like to work in a science?
- Would you like to be a scientist?
- What are the different fields/places/ways that you could work in science?

