

Engaging Students with Scientific Inquiry

Science Inquiry 1: Descriptive Study

Form a group of 3-4 students. During this inquiry you are to imagine you are a Year 7 student who may be unfamiliar with the idea of convection.

This inquiry involves the following tasks:

1. Place a small beaker of water on a hotplate with some tea leaves in it.
2. Assuming your knowledge about convection is limited, you may wish to note down some questions about the observations you are making, as a Year 7 student.

Reflect on the following points for class discussion:

- A. What knowledge was produced about the objects at the focus of this inquiry activity?
- B. How was this knowledge produced?
- C. Is the knowledge produced scientific knowledge? Explain your answer.
- D. What are some other uses of this form of inquiry in school science?

Resource created by Dr James Davis, Lecturer, Faculty of Education, Queensland University of Technology, published under a [Creative Commons Attribution Licence](#), as part of the professional learning framework **Engaging Students with Scientific Inquiry** - www.stepup.edu.au/inquiry

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