Reaction rates - Year 10 CLE

Posted by sat on Tue, 2015-09-15 09:59

This Connected Learning Experience looks at chemical reaction rates.

The resource is a Science ASSIST Connected Learning Experience to assist Year 10 teachers teach the concept of reaction rates to their students.

Description: In this investigation, factors which affect reaction rates are investigated by conducting experiments. Students can then use their knowledge and understanding of reaction rates to take on the role of a process chemist charged with controlling the time taken for a specific reaction to take place.

Learning intentions

Students will be able to:

- observe and understand that chemical reactions take place at different rates;
- identify factors which can affect reaction rates;
- explain the effect of surface area, concentration and temperature on reaction rate;
- plan appropriate investigation methods to manipulate the rate of a chemical reaction, taking account of fair testing;
- make careful and accurate observations;
- make predictions based on scientific understanding;
- construct graphical representations of data and use these to determine relationships between variables; and
- construct conclusions based on evidence.

The SVG-based diagram that this link takes you to is best viewed with a browser other than Internet Explorer.

Australian Curriculum v9 Codes: AC9S10U07 (Year 10)

Tags:
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rates

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Reaction rates

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