

Animating science

About this Illustration of Practice

Over a series of lessons with year 5 and 6 students, two graduate teachers use experiments and information and communication technology (ICT) to teach the students about the properties of solids, liquids and gases. Students are encouraged to demonstrate their knowledge of how particles behave by developing computer animations on laptops and tablet computers, that can then be incorporated into a movie. Following the lessons, the teachers discuss the positive aspects of ICT for teaching and learning.



Standards

Standard 2

Know the content and how to teach it

Focus area 2.6

Graduate

Information and Communication Technology (ICT)

Descriptor: Implement teaching strategies for using ICT to expand curriculum learning opportunities for students.

Other descriptors

Standard 3

Plan for and implement effective teaching and learning

Focus area 3.4

Graduate

Select and use resources

Descriptor: Demonstrate knowledge of a range of resources, including ICT, that engage students in their learning.

Discussion questions

1. In what ways could your students demonstrate their content knowledge using ICT?
2. What practical activities could you incorporate into a lesson to make a theoretical concept more understandable?
3. How have you used external resources beyond your classroom to enhance your students' knowledge and understanding?

Learning context

Golden Square Primary School, located in Bendigo, Victoria, is a government school with over 400 students. The school has a partnership with La Trobe University to enhance the teaching of science using ICT. Students at Golden Square are immersed in technology throughout the school, with particular emphasis on 1:1 access in years 5 and 6. The graduate teachers are able to use a range of resources and technologies to support their students' learning in Science.

School context

Golden Square Primary School

Victoria

Year level: Year 5 Year 6

Related subject: Science

Stage of schooling: Primary

School type: Government

School location: Provincial

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