

## Animating the particle model

### About this Illustration of Practice

A lead teacher and University education specialist discuss the implementation of a program between the school and the University to support the development of graduate teachers in delivering a science unit of work to year 5 and 6 students. The program focuses on students developing a story board to explain the particle model theory which will be animated using stop motion software. The emphasis is on showing the multi model possibilities of delivering science to students.



### Standards

#### Standard 2

#### Know the content and how to teach it

##### Focus area 2.6

##### Information and Communication Technology (ICT)

Lead

**Descriptor:** Lead and support colleagues within the school to select and use ICT with effective teaching strategies to expand learning opportunities and content knowledge for all students.

#### Other descriptors

#### Standard 3

#### Plan for and implement effective teaching and learning

##### Focus area 3.4

##### Select and use resources

Lead

**Descriptor:** Model exemplary skills and lead colleagues in selecting, creating and evaluating resources, including ICT, for application by teachers within or beyond the school.

### Discussion questions

1. In what ways could you support colleagues to demonstrate their content knowledge using ICT?
2. What practical activities could you encourage colleagues to incorporate into a lesson to make a theoretical concept more understandable?
3. Do you encourage colleagues to use external resources beyond their classroom to enhance their 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

[View school location in Google Maps](#)

## Australian Curriculum

**Learning area:** Science

**Year level:** Year 5

**Content descriptions:** [ACSSU077](#)