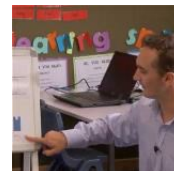


Hughie the helicopter

About this Illustration of Practice

At Wilton Public School, a graduate teacher works with a class of students to test, observe and explain the properties of materials in a practical experiment in a science class. The teacher has constructed a paper helicopter that he and his students have attempted to launch. The segment of the lesson contained here, shows a teacher-led discussion about the properties of one material – paper – that has been used as a possible conductor of electricity.



Standards

Standard 2

Know the content and how to teach it

Focus area 2.1

Graduate

Content and teaching strategies of the teaching area

Descriptor: Demonstrate knowledge and understanding of the concepts, substance and structure of the content and teaching strategies of the teaching area.

Other descriptors

Standard 2

Know the content and how to teach it

Focus area 2.2

Graduate

Content selection and organisation

Descriptor: Organise content into an effective learning and teaching sequence.

Discussion questions

1. What teaching strategies do you use to consolidate students' understanding of complex concepts?
2. In what ways do you encourage students to use the language appropriate to different curriculum areas?
3. What value do you place on reinforcing the skills of inquiry?

Learning context

The graduate teacher brings to the lesson very carefully prepared and selected resources. He uses teaching props and methods that are tangible, easily understood and managed. He paces the lesson appropriately for the age and developmental characteristics of his students. Through carefully scaffolded questioning, he reinforces basic literacy skills and connects these to the language of scientific inquiry.

School context

Wilton Public School

New South Wales

Year level: Year 3

Related subject: Science

Stage of schooling: Primary

School type: Government

School location: Remote

[View school location in Google Maps](#)

Australian Professional Standards for Teachers

Australian Curriculum

Learning area: Science

Year level: Year 3

Content descriptions: [ACSYS215](#)