

The wonders of Pi

About this Illustration of Practice

The teacher explains and demonstrates how the use of an interactive whiteboard (IWB) has transformed his mathematics teaching. It allows him to reflect on what has been learned previously, it enables students to interact and take risks, and it 'captures' for his later reflection, the learning that has taken place. In a year 7 mathematics lesson, he uses the IWB to access additional historical resources to support students learning about the formula Pi. His students respond to the engaging and interactive manner in which he uses ICT to teach concepts in an imaginative, and innovative way.



Standards

Standard 2

Know the content and how to teach it

Focus area 2.6

Information and Communication Technology (ICT)

Proficient

Descriptor: Use effective teaching strategies to integrate ICT into learning and teaching programs to make selected content relevant and meaningful.

Other descriptors

Standard 5

Assess, provide feedback and report on student learning

Focus area 5.2

Provide feedback to students on their learning

Proficient

Descriptor: Provide timely, effective and appropriate feedback to students about their achievement relative to their learning goals.

Discussion questions

1. How do you use ICT to make content meaningful to students?
2. What teaching strategies can you use to ensure learning programs are engaging and relevant to students?

Learning context

Emmaus College is a co-educational Catholic secondary school, located in metropolitan Melbourne. The school values the use of ICT to enhance teaching and learning programs. The teacher uses an IWB in every class, and interactive software programs where appropriate to engage the learner and make the content more relevant to the students. His use of IWBs enable him to accurately review and reflect on lesson content, as all information, both teacher and student input, is captured and saved.

School context

Emmaus College (Vermont South)

Victoria

Year level: Year 7

Related subject: Mathematics

Stage of schooling: Secondary

School type: Non Government

School location: Metropolitan

[View school location in Google Maps](#)