



MINISTRY OF EDUCATION

T: Tohunga o te Mātauranga



Introducing the Part Adder learning object

Welcome to Digistore

Digistore houses a collection of quality digital content (learning objects and resource assets) produced by The Le@rning Federation (TLF), a collaboration between the governments of Australia and New Zealand. By 2007, Digistore will provide access to some 4000 learning objects (LOs) covering a range of learning areas for years 1–11. This digital content is designed to engage, challenge, and motivate learners.



Becki Clentworth teaches year 3 at Ponsonby School (Auckland). Her class is working at curriculum level 2 and at stage 5 of the Number Framework (the Numeracy Development Project, early additive part-whole).

Becki wanted her class to learn how to make numbers easier to add by splitting larger numbers into more manageable number chunks for adding in their heads. Recent assessments had shown her what her students did and didn't know. She chose the Part Adder LO to meet their learning needs.

Becki used beans, tens frames, and rods to model ways of splitting and adding numbers and ways of talking about these strategies. Part Adder gave her "pretty digitally literate" class "another way to visualise how to split numbers, and it really clicked for them."

Becki used the data projector to introduce Part Adder on the big screen, again modelling the kinds of discussions she wanted her students to have. This "is a great way to make sure everyone is on the same page" she says.

Students using Part Adder are able to choose levels of difficulty, and Part Adder includes supportive feedback. Working in pairs

further helped boost the students' sense of being in control of what they were learning. The student pairs were so keen that they worked independently while Becki was teaching other groups. "They even went back in their own time and did it [by] themselves!" Assessment showed the students were more able to work out answers in their heads. Becki hopes to transfer this learning to more difficult numbers and to other functions like subtraction.

MEET THE MATHS LOs

You can view a summary of the LOs developed so far at www.nzmaths.co.nz/LearningObjects

WHERE CAN I FIND OUT MORE?

To find out more about Digistore, go to www.tki.org.nz/r/digistore/index_e.php

Register at www.tki.org.nz/r/digistore/register_e.php to receive login details and a free copy of The Learning Objects Collection CD-ROM.

To find out more about TLF, go to www.thelearningfederation.edu.au/tlf2