

Case Study



Future Proof Learning with AVerVision355AF

– New Zealand Case Study: Tawa Intermediate School –

Tawa Intermediate School is a decile 8 school with just over 500 students. It is located 20 minutes north of Wellington, in the suburb of Tawa. The school is in its 3rd year of an ICT Online Bridges Cluster. In the 3 years of being in the cluster, the school has seen a huge increase in the technologies used for teaching and learning.



Tawa International School has 18 classrooms. Each room has a data projector, class computer, 3 Lenovo notebooks and within a syndicate of 3 classes they share 10 portable computers. Teachers use data projectors regularly as part of the teaching programme. All students at the school have their own Google mail accounts and they regularly use Google Docs. All classes have a blog. Ultramet is used as their LMS. The Ultramet hosts school's website and each class, syndicate and learning area has its own page. Children use this all the time to access information. The AVerVision355AF Visualiser was trailed in senior teacher and ICT PD leader's classroom. Their class has 29 students and is made up of Year 7 and 8 students.

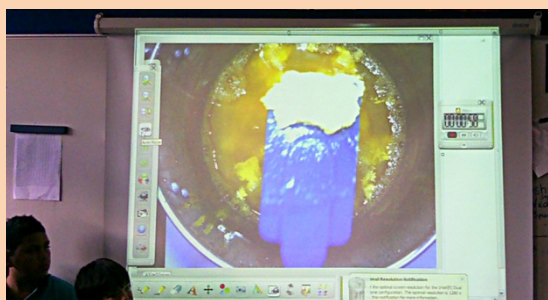
Impact on teaching and learning

Benefits within the classroom brought by the AVerVision355AF Visualiser:

- Immediate transfer of any document to the data projector
- Efficiency of sharing information
- Instead of photocopying it can go straight up on the screen
- Sharing of students' work immediately instead of scanning, which means there is instant feedback in front of their peers. Student work is no longer just seen by the student and the teacher so it has the potential to increase the effort children put into their work
- An immediate audience for students' work
- Ability to demonstrate particular skills, for example, different art techniques, using classroom equipment such as protractor, compass, calculator and rulers
- Annotate student's work immediately, take a photo and upload to their e-portfolio or class blog, or even email to parents

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- Increases efficiency because it decreases the need to photocopy and organise resources
- Show science experiments without having all the students crowd around a desk
- Conduct experiments with dangerous material that students can't touch on their own
- Increases student engagement through being able to share their contributions such as home learning, current events work or anything physical
- Sharing of physical resources from outside to a wide audience rather than passing things around
- Time lapse photography
- Being able to grab the teachable moment when relevant material presents itself, for example, a novel a student was reading with descriptive language or an advertisement in the paper



In this experiment the class made casein plastic by adding vinegar to a pot of heated milk. We used the Visualiser to ensure the whole class could see the transformation as the vinegar was stirred into the milk. When the reaction was complete, students molded their own piece of plastic under the Visualiser.

Ease of use/Teacher and student training

The AVerVision355AF Visualiser requires the user to have mid-level ICT skills. It is fairly straight forward to use. Students pick up how to use it really quickly and with only very minor training. When asked her opinion, Sarah, the teacher, said “The permanent set up of the Visualiser means the teacher can avoid the traditional hassles that come with a camera, for example, transferring photos to their computer, and worrying about whether the camera is charged. The Visualiser is always on hand in the classroom for that teachable moment where sharing a physical resource is so important to the learning and engagement of students.”

From most teachers' point of view, it is the immediacy and ease of use in this fast paced society where students need instant information that make the Visualiser so effective for teachers. This will be a tool that teachers and their students use every day in the classroom and it is picked to become one of the top essential classroom tools.

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“We all got a turn and the whole class could see what we were doing.”

- Year 8 Student

***“It showed us what was happening in the science experiments
without all looking over the teachers shoulder”***

- Year 7 Student

“It was great to see student engagement increase every time I turned the Visualiser on.”

- Taylor, Year 7/8 Teacher, Tawa Intermediate