CASE STUDY
Enhancing Mathematics Learning with Prowise

IMMANUEL COLLEGE

Location
Immanuel College is an independent school, established in 1895 as a school of the Lutheran Church, and located in the centre of Adelaide’s coastal strip. Immanuel is a co-educational day and boarding school with over 900 students in a diverse, but inclusive community.

Immanuel College is renowned for being a ‘school of choices’ providing opportunities for students within a broad curriculum and extensive range of extra-curricular activities.

The College has spacious grounds and extensive facilities creating an innovative, inspiring atmosphere which fosters a strong learning environment utilising world-class thinking.

“I can walk into the classroom and have the touchscreen ready in less time than it takes for me to have a laptop ready.”

The Challenge
To enhance mathematics learning by increasing student content sharing and collaboration.

The Solution
Integrating the use of Prowise interactive flat panels with Solstice.

The Result
Increased student collaboration with digital mathematical content and greater mobility for teachers.
Innovation

The College has recently built a state of the art learning facility incorporating Prowise interactive flat panels into their teaching and learning spaces. The Mathematics department was very interested to use this new technology to enhance mathematics learning in the school. They wanted to better integrate their use of technology in the maths classroom using Prowise interactive flat panels and Solstice. This combination would allow teaching staff to utilise all areas of a learning space, share digital content and further encourage student collaboration instead of being “tethered to a VGA cable at the front of the room.”

The Maths staff believe the objective has been achieved and were further impressed by the additional benefit of local content being presented via the Prowise interactive flat panel’s inbuilt PC module.

Jarrad Fraser, a mathematics teacher at the College, said that these products have replaced the whiteboards in the classroom. Content can easily be presented visually through the Prowise touchscreen. Students enjoy using the touchscreens as a replacement for whiteboards. The ability to switch quickly between writing notes and presenting multi-media has been beneficial.

The Prowise interactive flat panels have been valuable as recording devices, recording written notes along with multi-media material and supporting the organisation of class resources (through the use of OneNote).

Students are able to readily access electronic copies of notes. The notes from a lesson are no longer simply written work but also include video and audio recordings. The integration of multimedia material is almost seamless.

At year 11 and 12 students are motivated more by grades and results than the medium in which the material is presented.

However the students have mostly been positive with regards to using the touch-screens, they have been pleased with touchscreen facilities, and this has added to their motivation.

Reflection

When asked to reflect on the results of implementing the Prowise interactive flat panels Mr Fraser indicated that he has found this product easy to prepare for lessons.

“The built-in computer is the best feature, if we need to connect our laptops, we can, but the fact that I can go to a lesson with nothing but a stylus is great.”

“I like the idea that everything simply updates rather than having to wait for your update to be installed and there is no more projector maintenance.”

“New material is very easy to set up on the machines, as are new programs and accessing new content. The resolution is better for watching videos and digital content, there are no shadows and the sound is great!”

“I like the fact we don’t have to calibrate the system.”

About ElB Education

ELB Education offers a full range of educational technology solutions to suit every educational setting. Choose from a variety of interactive and collaborative technology products to transform your classroom into an engaging and creative learning space.

Please contact your local ELB Education Consultant to find out more: