# School-wide projector installs for PLC's Junior School

Taking pride in being one of Australia's leading independent school for girls, Presbyterian Ladies' College (PLC) strives to provide students with a future-focused, dynamic education. Students are taught the skills necessary to help them navigate and succeed in the 21st century.

PLC tasked the team at DIB with installing new projectors and document cameras across all of the teaching, specialist and meeting spaces (35 in total) in the Junior School. After consultations with a member of our Sales team, DIB created a plan that would best improve the technology in these classrooms.

INTERACTIVE PROJECTORS FIT FOR ANY LESSON

An EPSON EB-696Ui Interactive Finger Touch Projector was installed in all 35 rooms. The interactivity of the projector perfectly suits the classroom environment. becoming an effective substitute for the standard whiteboard. Students can get a more hands-on experience by using the pens (or their fingers) to engage with the projected presentations. This adds an extra element of

Clarity of the EPSON EB-696Ui projector
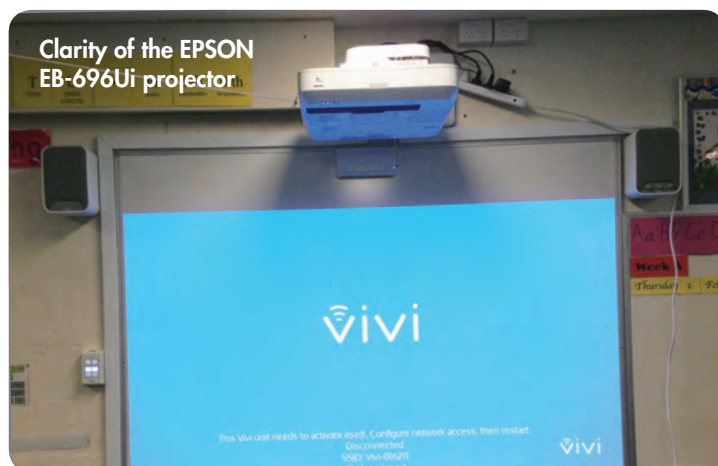
involvement that can innovate the learning landscape.

An EPSON ELP-DC21 Visualiser was also provided. The Visualiser is a document camera which allows users to project and enlarge images onto a large screen display, featuring a great zoom module (allowing for a 12x optical zoom and 10x digital zoom) and a built-in microphone, allowing the user to record and share audio/video lessons.

DIB also installed an Extron MLC55 6-button wall control panel, which makes using the new system easier by placing all of the system's features in one place. These user-friendly panels usually include buttons that turn the

Extron 6-button wall control panel

system on and off, select the source to be projected, and control the volume.

WANT INTERACTIVE PROJECTORS OF YOUR OWN? CONTACT US FOR A QUOTE!
For more information on this installation, please visit **http://bit.ly/DIB12545** or scan the QR code below.

EPSON EB-696Ui projector

Wide-shot of the function rooms

Fresh AV equipment for a revamped Chirnside Park Hub

The Chirnside Park Hub is a major recreational and sporting precinct that provides a wide range of facilities (such as multi-purpose change rooms and training spaces) to Wyndham residents. The recently constructed Chirnside Park Pavilion offers state-of-the-art facilities to sporting Clubs and the general public of all ages, genders and abilities, to better serve the whole community.

DIB worked closely with the architects tasked with the Hub's upgrade to provide new audiovisual equipment for the Wyndham City Council building, tenanted by the Werribee Footbal Club. This involved the installation of various projectors and signage screens throughout two levels of the building.

A CONNECTED SYSTEM

Installations in two function rooms comprised the bulk of this project. Three Epson EB-G7200W projectors, which project onto three Grandview 140" motorised screens, were installed in the rooms.

With 7,500 lumens of colour/white light outputs and WXGA (1200x800) resolution, it is able to produce large images with rich, vivid colours, which is perfect for presentations. An LG 65" display was also installed. All of these screens were built into the ceiling cavity to allow the screens to be hidden when not in use.

The systems in these function rooms can be used individually or the systems can be combined, allowing the same image to be displayed on all four screens at once using the Extron TLP 520M control panels.

A PROJECTOR TO SUIT EVERY NEED

DIB also installed equipment in a Conference room and a Multi-Purpose room. In the Conference room, an Epson EB-1460Ui Finger Touch Interactive Projector was installed. With the ability to transform flat surfaces into an interactive whiteboard, users can use their fingers or the special pens to annotate on any projected displays, making group activities more exciting.

LG 65" Display

Elevate classroom collaboration with the EB-710Ui

Epson's EB-710Ui is an interactive ultra-short-throw projector that offers the possibility of more collaborative lessons in the classroom. With features that promote greater sharing and participation in the classroom, this projector shifts the paradigms associated with a more hands-on lesson, optimising the limited lesson time for maximum learning output.

A MORE INTERACTIVE AND ENGAGING CLASSROOM

The projector can essentially transform any flat surface such as whiteboards, plain walls and tables into a giant touchscreen, making the most of the classroom environment. In this interactive workspace, the student can user their fingers or Epson's interactive dual pens to interact with the screen. Responsive and intuitive, these pens can simultaneously allow a teacher and a student or two students to work with the screen, such as annotating directly onto a presentation.

is presented in an interesting or captivating way. These features also ensure that every student in the classroom can easily see and retain the information presented. The projector's clear images
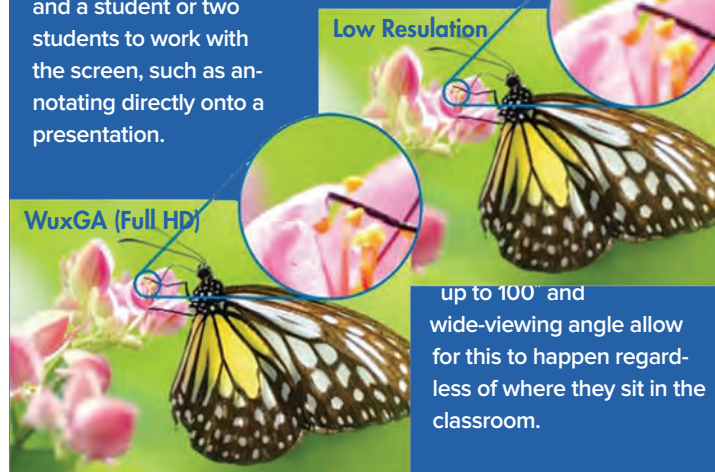
to use a new piece of equipment. Teachers simply need to open the projector and either plug in their computers, or use the projector's PC-free annotation mode to operate the projector. The projector also removes the stress of taking down notes for students as any projected images, including annotations, can be saved to a USB as jpeg files.

Low Resulation

WuxGA (Full HD)

up to 100" and wide-viewing angle allow for this to happen regardless of where they sit in the classroom.

HIGH QUALITY, ULTRA VIBRANT DISPLAYS

The projector's hardware combines various technologies that ensure the projector produces the brightest and most vibrant images. Such eye-catching displays is particularly important in a classroom, where students learn more if the subject content

ELIMINATE HASSLE IN THE CLASSROOM

These projectors are easy and intuitive to use, removing an element of frustration when trying

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The Multi-Purpose room saw the installation of a ceiling mounted Epson EB-2250U projector and a Grandview 120" motorised screen. With WUXGA image resolution (1920 x 1200) and 5,500 lumens of brightness, this versatile projector is able to cater to any audiovisual requirement, whether it be for presentations or for meetings.

The final part of the project was the installation of external Bose DS 100SE speakers in the Grandstand. This allows music and announcements made from a different room to be heard through the Grandstand.

REFURBISHING YOUR SPACE AND NEED TO PLAN A NEW AV SYSTEM? CONTACT US!
For more information on this installation, please visit **http://bit.ly/DIB11457** or scan the QR code below.

CONTACT US TO RENOVATE YOUR COLLABORATIVE WORKING SPACES
Phone **(03) 9457-4800** or email us at **info@dibaustralia.com.au**. For more information on this product, please visit **http://bit.ly/DIBEB710Ui** or scan the QR code below.

Video wall at the entrance of the library

Brand new AV equipment for a redeveloped Balwyn Library

The Balwyn Library, part of the Boroondara libraries, is a significant community and cultural facility for Balwyn. The library aims to provide a variety of different services to support those who live, work and study in the area. With its recent redevelopment, the Balwyn Library is even better positioned to provide these services to the community, with enhanced audiovisual technology for both the staff and community's use.

DIB had the privilege of providing new AV equipment for the Balwyn Library. This project was multi-faceted, involving installations in small study rooms, multi-purposes rooms, meeting rooms and in open areas.

A SIMPLE, BUT EFFECTIVE, SYSTEM

The small study rooms and the multi-purpose room saw the installation of Samsung Displays, along with HDMI and USB inputs. These inputs would allow them to display content from their laptops or to connect their laptops to the permanently mounted HD camera when conducting conference calls on software such as Skype.

A MORE HANDS-ON SYSTEM

As the meeting rooms are a larger space, an EPSON EB 1460Ui interactive projector was installed. The projector transforms the existing whiteboard into an interactive one, where members from the community can use their fingers or the pens to annotate on the displays.

Samsung display and inputs in the study room

A GREAT SYSTEM FOR A BIG ROOM

The largest of the spaces was the Community Meeting Room. This room has a ceiling mounted Epson EB-2265Wu projector, which features 5,500 ANSI lumens of brightness and WUXGA widescreen full HD resolution that allows the projector to produce ultra-bright, colourful images. They can also use the handheld wireless microphones for voice reinforcement or the Lectern goose neck microphone, or a combination of both.

DIGITAL SIGNAGE FOR THE DIGITAL AGE

The project also involved the installation of more Samsung displays with Magic Info signage software, which allows users to upload content directly to the displays from a central point. This will be used for digital signage and the displaying content on the video wall at the entrance of the library.

NEED A NEW AV SYSTEM TO SUIT YOUR RENOVATED SPACE? CONTACT US!
For more information on this installation, please visit **http://bit.ly/DIB12023** or scan the QR code below.

EPSON EB 1460Ui for the meeting rooms

VC system upgrade for Caulfield Grammar boardroom

With a rural campus in Yarra Junction, Caulfield Grammar School strives to provide quality learning to their students. Caulfield Grammar, with its reputation as being a leading, internationally recognised school, strives to shape students into responsible, global students. The school endeavours to give students the skills necessary to excel not only in their future vocation, but in all they do in life.

The team at DIB was approached by Caulfield Grammar with the intention of revamping a video conferencing system for the Lambs Smith Boardroom, located in the Yarra Junction campus. This primarily involved the installation of a client provided VC system, which entailed the integration of existing equipment to the new system.

A COMPLETE VC SYSTEM TO SUIT ANY MEETING ROOM

An existing monitor was removed and consequently re-installed and set up by DIB. This was then followed by the installation of a SX20 VC system, provided by the client. The system comes with a camera, a system processor and an external table microphone, which was cabled by DIB so as to integrate with the existing AV system, including audio. All

of the AV cabling was installed in a floor box, which then connected this equipment to a Kramer TBUS table box. The box comes with two GPOs, a HDMI input, two microphone sockets and dual USB device charging sockets.

A HDMI input control switcher was installed to facilitate signal connection from either the Apple TV or from the HDMI input in the table box. These signals can then be displayed onto the monitor, or during a video conference.

Monitor and the camera of the SX20 VC system

CONTACT US TO UPGRADE THE AV EQUIPMENT IN YOUR BOARDROOM!
For more information on this installation, please visit **http://bit.ly/DIB12723** or scan the QR code below.
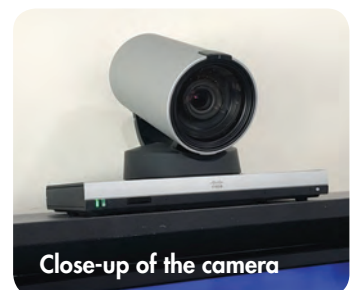
Close-up of the camera

Kramer TBUS Table Box

View of the boardroom

Floor box, which connects to the table box

New CommBoxes for 13 St Catherine's classrooms

With a reputation for being one of Australia's leading girls' school, St Catherine's School strives to provide a stimulating, tailored and future-focused education that betters prepares students for the world beyond the classroom. In an engaged, dynamic and inclusive community, St Catherine's aims to nurture and empower young women, transforming them into independent, globally conscious individuals.

St Catherine's School worked with DIB on installing new AV equipment in 13 classrooms. After consultations with the client, DIB formed a technological solution that would best fulfill their requirements.

INCREASED INTERACTIVITY FOR THE MODERN CLASSROOM

In all of the rooms, the CommBox Interactive 80" Touch Monitor was installed. These monitors add an element of interactivity to the classroom, allowing for a minimum of four points of touch at any one time. The touch functionalities of the monitor are further enhanced thanks to the monitor's

Size of the 80" CommBox Interactive Monitor

The full system: the monitor with the soundbar underneath and touchpanel system to the left

Clarity and brightness of the monitor's display

combined Infrared and camera technology, which ensures ultra fast and accurate touch responses.

Along with the monitor, DIB installed a CommBox Touchpad control hub. The system centralises all of the functions of the new system in one place. This makes it much easier and simpler to use, as it removes the need for having various remote controls.

For better audio in the classrooms, a CommBox Soundbar was installed. This passive 2 x 15 watt soundbar hangs directly off and below your CommBox interactive screen, which is not only

aesthetically pleasing, but it does its job effectively.

CONTACT US TO TRANSFORM YOUR CLASSROOMS WITH NEW AV EQUIPMENT
For more information on this installation, please visit **http://bit.ly/DIB12336** or scan the QR code below.

Close-up of the CommBox Touchpanel Control System and input plate kit

Close up of the EPSON EB-685W

EPSON EB-685W projecting onto a Promethean IWB

Exciting projector upgrades for four OLGC classrooms

Our Lady of Good Counsel (OLGC) in Deepdene (http://bit.ly/OLGCDeepdene) is a primary school that takes a contemporary approach to Catholic education. The school integrates faith and life into their innovative learning and teaching practices, better shaping students into mindful, respectful individuals who are not afraid to think critically. OLGC supports personalised learning, and takes pride in being responsive to individual learning needs to not only ensure that students are able to achieve their own personal best, but their overall well-being remains at the foreground.

The team at DIB worked with OLGC in order to update the projector systems in four classrooms. The selected projector was chosen by DIB after factoring the school's needs and deliberating closely with the school.

Before the commencement of any installation work, DIB removed old equipment such as old projectors as OLGC is a valued client of the company.

VERSATILE PROJECTORS FOR THE MODERN CLASSROOM
The EPSON EB-685W Ultra Short Throw Projector was installed in each classroom. With 3500 ANSI lumens of output and WXGA (1280 x 800) resolution, the projector is capable of producing bright and vibrant images that not only catches a student's attention, but ensures readability from every angle of the room. This is furthered by the ultra short throw nature of the projector, which means that any shadow or glare that might interfere with the clarity of the images is wholly reduced. The projector will display images on an existing Promethean interactive whiteboard (IWB), which was removed and reinstalled to be moved closer to the new projector.

CONTACT US TO UPGRADE THE AV EQUIPMENT IN YOUR CLASSROOMS!
For more information on this installation, please visit **http://bit.ly/DIB12674** or scan the QR code below.

EPSON EB-685W and the Promethean IWB

Input plate w/ HDMI, VGA, Audio and USB connections

TIPS FOR IMPROVING READABILITY IN YOUR SPACES THROUGH DISPLAY SIZES

In a classroom, meeting space or collaboration space, it is important that people in the room are able to see, read and absorb the content you're displaying. This is referred to as readability, and when it comes to deciding what AV equipment to have in your spaces, this should always be something to keep in mind. In this Hints & Tips section, we will explore why finding the right display size for your spaces is important for ensuring readability.

A recent study conducted in the U.S. found that in an average classroom, 58% of students were unable to read content displayed on a 70" monitor clearly. When shown numbers, words and phrases of varying sizes (from large headlines to small details)

on PowerPoints, text tables and Excel sheets, more than half of the students tested recalled at least one piece of data incorrectly.

To combat this, audio visual professionals use the 4/6/8 rule when deciding what display size would be appropriate for the space under consideration. It lists three different viewing methods that viewers can fall under, depending on how far they are from the display and the height of the display.

Thus, the bigger the size of the screen, the more space it can cover in the room. This means that more viewers are able to partake in a more analytical and basic viewing of the screen even if they are farther away. To highlight how much more space 100" flat panel

The 4 / 6 / 8 Rule

The 4/6/8 Rule is widely used by audio / visual professionals to **Determine** the **Appropriate Sized Displays** for classrooms, conference rooms and large venues

It divides viewers into three distinct categories based on their distance from the display versus the height of the display

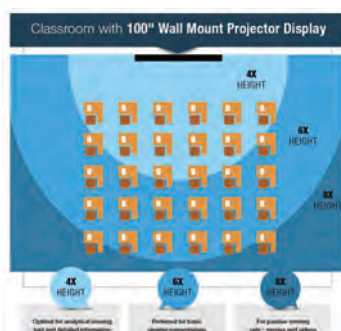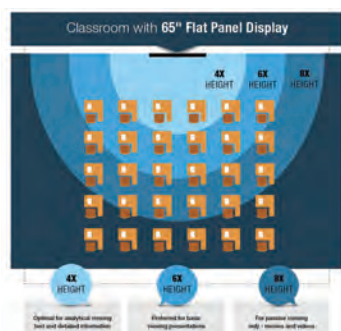| Analytical Viewing	Basic Viewing	Passive Viewing
Student should sit no further than 5 metres from the screen	Student should sit no further than 8 metres from the screen	Student should sit no further than 10 metres from the screen
4	6	8

can cover compared with a 65" flat panel, see the diagrams below. So, when deciding what size your screen should be, what you intend to do in the space should be a factor. If it is a learning or collaborative space, it is better to have a larger screen (particularly for lecture theatres and classrooms) so more people can engage in analytical viewing. For more leisure/entertainment purposes such as watching films, basic and passive viewing are acceptable.

DIB Solutions Consultants have

extensive experience in providing AV solutions with different sized spaces, from classrooms to big halls. Their comprehensive knowledge can help guide you through deciding the right display sizes for your space.

CONTACT US TO HELP YOU PLAN AN AV SYSTEM FOR YOUR SPACES
For assistance with your custom audio visual requirements, contact a DIB Audio Visual Solutions Consultant today. Phone **(03) 9457-4800** or email us at **info@dibaustralia.com.au**

Classroom with 65" Flat Panel Display

Classroom with 100" Wall Mount Projector Display

STEPS TO LOG A SERVICE REQUEST (DIB Australia)

STEP 1
Log on to support.dibaustralia.com.au

STEP 2
Click 'SUBMIT A REQUEST'

STEP 3
Fill in fields. Making your description of the fault as clear and detailed as possible will reduce any potential delays. You can even upload photos of the fault to assist the support staff.

STEP 4
Click 'SUBMIT' and a confirmation page will be displayed with a request # and your subject line. An email will also be sent to your inbox notifying you that your request has been received by the support staff.

Request #342 "Projector not displaying image" created

STEP 5
A support staff member will then make contact with you with a suggested date and time for a service technician to be onsite.

CREATE AN ONLINE ACCOUNT

You can monitor all of your requests (especially useful for larger organisations) by creating an online account.

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