

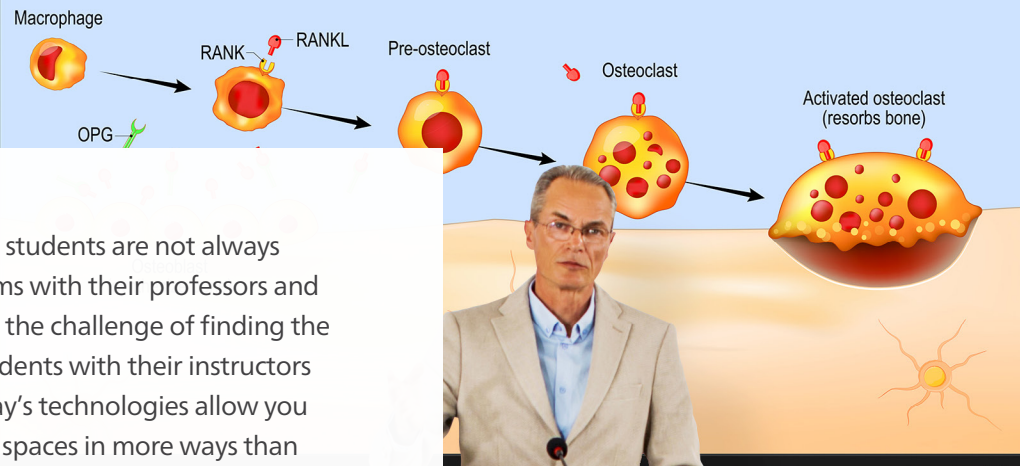


# Reinvent your Learning Spaces for Improved Student Engagement with Display Technology





# Bone Biology



Today's higher education students are not always learning in the same rooms with their professors and classmates. That presents the challenge of finding the right tools to connect students with their instructors and peers. However, today's technologies allow you to reinvent your learning spaces in more ways than ever to improve collaboration and increase student engagement. Students—whether learning from home, in a classroom, or somewhere else on campus—will benefit from gaining more opportunities, more flexibility, and better educational experiences.

More than [99% of online learning experts](#) say the average higher education experience will involve at least some online learning by 2025. This means institutions need to reinvent spaces to support learning from anywhere, whether it be at home, in the classroom, from labs, in community spaces, and more. Technology is essential in flexible and hybrid learning, but display technology is especially necessary to equalize learning experiences and to make everyone feel like they're sharing learning space even when they're in different locations.



# Plan Before You Buy

## Evaluate your viewers

Student use and goals will be a big factor in your purchase decisions. Will students use displays to view lectures, study complex equations, watch lab tutorials, collaborate with remote peers, or perform some other activity?

In addition to teaching, educators and administrators can use displays as digital signage for purposes like displaying news and sharing real-time messaging about topics like emergencies or schedule changes. For each scenario, it's essential to determine who will be viewing the displays. These will often be students, but they could also be educators, staff, or visitors like parents or sports fans. Will they be seated? Passing by? Seeking information? Any information you can obtain may be useful in your technology decisions.

## Study your space

The technology should also suit the environment. Consider factors like:

- Student sightlines
- Room and natural lighting
- Time of day users will view displays
- Where you can place displays and the proximity to facility connections
- Whether there will be other noise and traffic in the space
- Whether classes will be hybrid, meaning students may view displays from many directions

Consider all the ways the room will be used. You will need to know where in-room attendees will sit and how remote attendees are connecting to class. Factors like these will determine where in-room displays should be placed to mirror content. Also, consider providing the option for all students—remote and in person—to get content on their devices. That way, everyone has equal access to the same content despite a space's limitations.



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Senior Manager  
Demand Generation  
Sharp/NEC Display  
Solutions of America**

It’s also important to consider the instructor’s perspective so they have the tools to teach all students effectively, regardless of location. Kristin Spiewak, Senior Manager Demand Generation at [Sharp/NEC Display Solutions of America](#), explains “that instructors want to feel like the remote students are in the classroom with them.”

#### **Partner with an ed tech expert**

Once you know about the spaces and learners, it’s time to choose a technology partner with education expertise. Look at their services, support offerings, and the quality of their partner technologies.

AVI-SPL chooses solutions especially designed for education environments like those from Sharp/NEC. For example, their AQUOS BOARD interactive displays are open platform, explained Steve Brauner, Senior Product Manager, Professional Displays at [Sharp/NEC Display Systems of America](#). The solutions have built-in system-on-a-chip (SoC) controllers but also connect to any operating system for easy content sharing and better support of hybrid and remote learning.

A technology partner can help you evaluate, choose, implement, and manage the tools in your higher ed spaces and goals.

### Choose your solutions

Your technology partners can help you choose the right solutions for your space and its uses.

They'll want to know the purpose of the display or displays in the room and the type of content displayed. They can provide options based on these requirements as well as other needs like cost and setup time.

Options may include:

- Monitors on instructors' desktops or as confidence monitors at the front of the room
- Projectors powered by lamp or laser for the classroom or lecture hall
- Interactive displays with built-in whiteboard functions let students engage in a hands-on way
- Large format displays (LFDs) for catching the eye of visitors and passersby in commons areas
- Video walls with narrow bezels to capture the attention of visitors in stadiums, hallways, student centers, and dining halls
- Direct view LED (dvLED) for energy efficiency in lecture halls, student unions, and college esports arenas

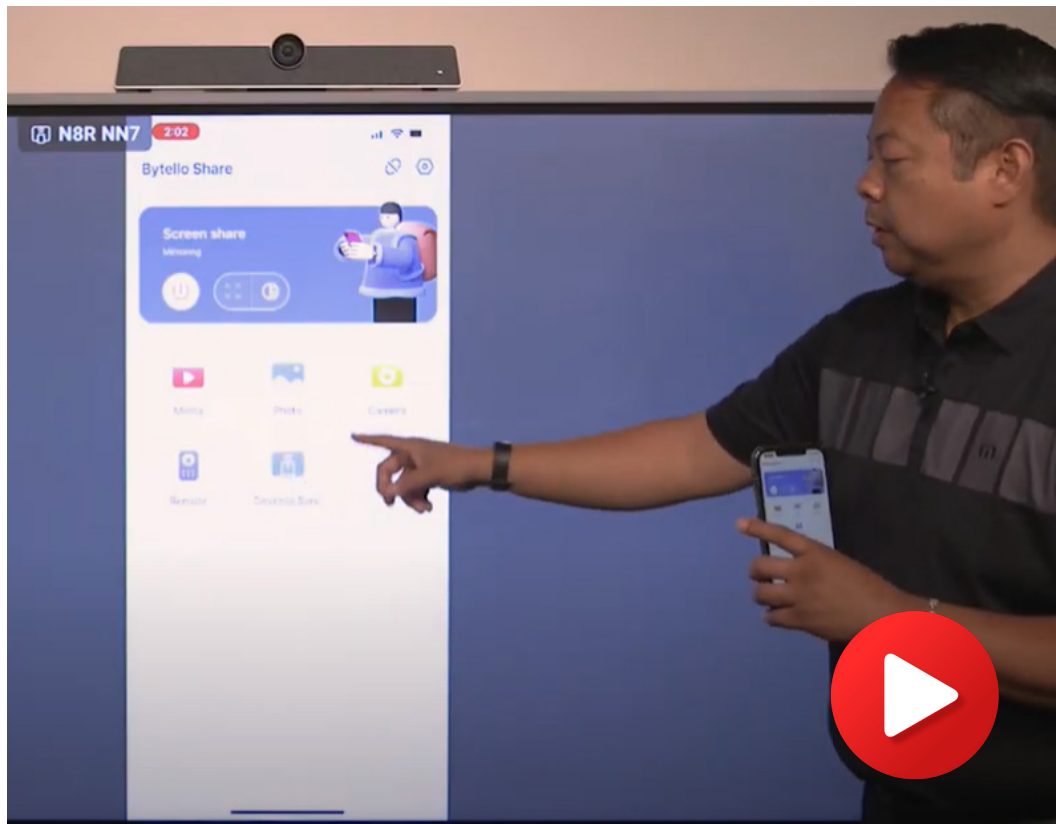
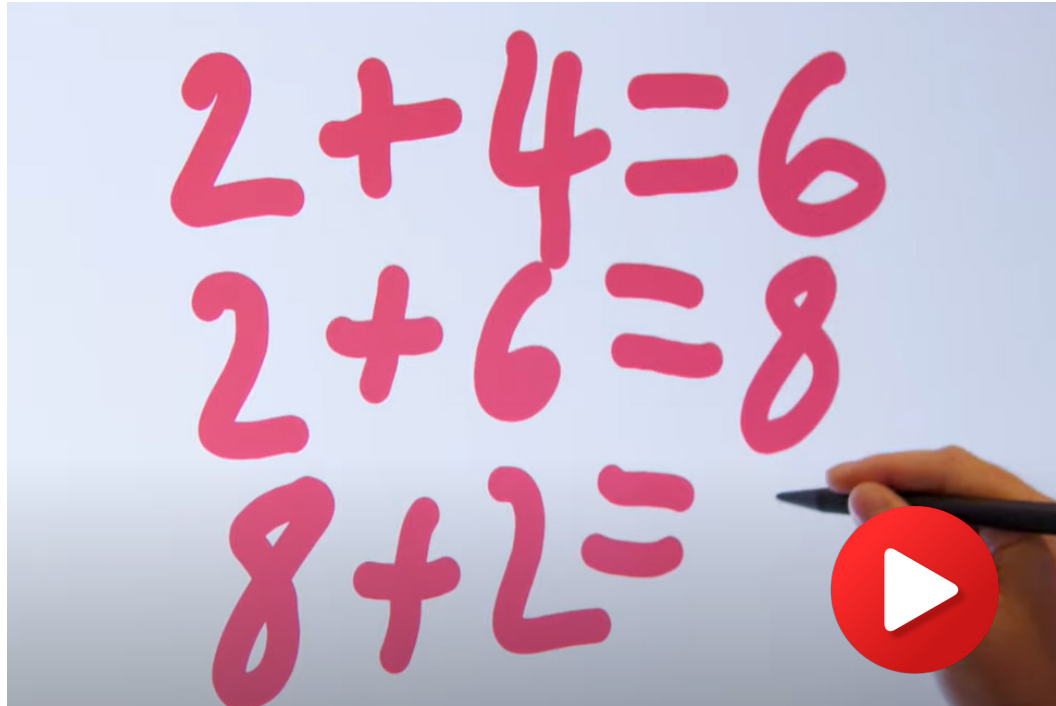
## Create Your Learning Space

### The classroom experience

Today's higher ed learning spaces include home, classrooms, campus common spaces, and almost anywhere else a student can power up a device and connect to the internet. Once you've made decisions about solutions for your spaces, you can focus on creating a visual environment that is clear, equitable, and engaging.

### Clarity

Equipment should be capable of presenting information in a way that is clear, sharp, and easy to read no matter where the viewer is. Technology should also be placed where everyone can see the lesson content clearly.





### Equity

Make sure remote students don't just appear as tiny headshots on an instructor's laptop or other display. Remote students can appear on larger displays alongside in-person students so that the instructor sees them all and can treat them like they're in the same room. Equity also means all students can see the lesson materials and no one is at a learning disadvantage.

### Engagement

Colleges and universities want to engage students, visitors, and faculty to improve learning experiences and bolster recruitment efforts.

Spiewak said, "We live in a highly digital environment right now. And that's how people are absorbing information. So we want to make sure that we're delivering information, particularly on a college campus, that is bright, brilliant, and really creates the wow factor."

You can improve student engagement by making tools and content more interesting, easy to follow, and collaboration friendly. Students also want access to interesting and advanced technologies, and they have high expectations. "Let's face it, a lot of colleges are really struggling with enrollment levels," added Spiewak. "If they don't have the technology to offer students, there certainly could be some drawbacks."

### The user experience

The technology needs to provide a great experience not only for learners but for faculty and the IT team. Make sure displays are easy to set up, use, and monitor remotely. When possible, provide plug-and-play solutions that offer interoperability with the other technology in the space, including individuals' devices.



Consider how steep the learning curve is for the user. For example, projectors are more complex than most displays, and solutions that include wireless casting—like the AQUOS BOARD—are designed to be intuitive and follow workflows similar to other popular tools.

### The remote student experience

Now that instructors have to consider at-home learners, it has added another level of difficulty to teaching. Technology can make this easier if instructors have the ability to see students and ensure students can adequately see them and their content. That's why some schools send remote students monitors and other equipment.

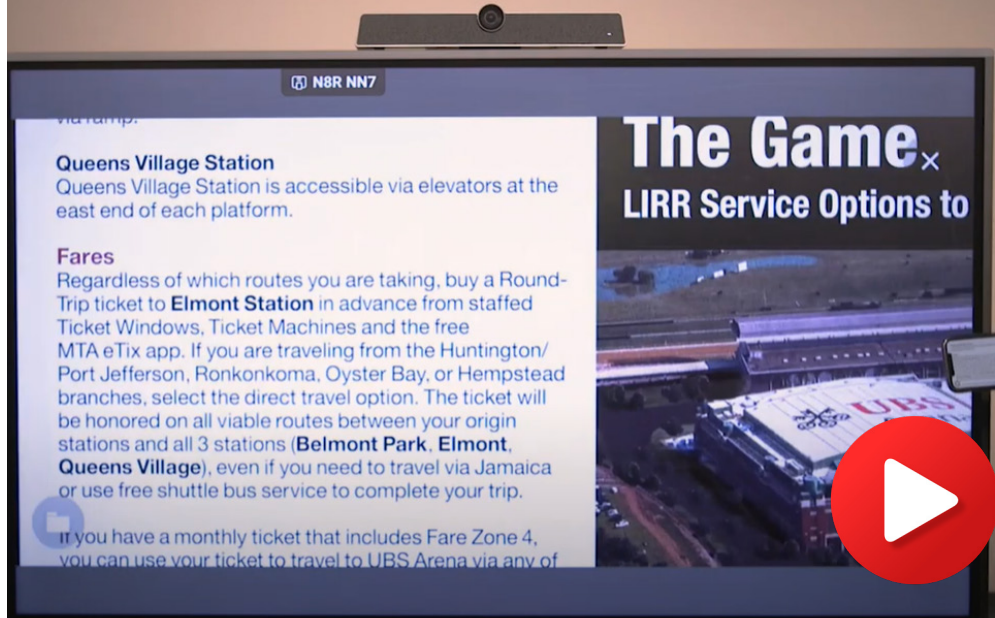
Additionally, agnostic solutions like the AQUOS BOARD connect to any device to ensure no one is left out. Students can see and share content not only at the front of the room but with their own devices. Brauner explained, "For a hybrid learning environment, it removes the chain from having to be on site because you can now do the same type of sharing and learning remotely that you would in a classroom."

## The Long-Term Outlook for Displays

The student center is no longer the center of student life. With students attending from anywhere, display technology is now the focal point. Students can just look at the digital signage or even their own device displays to find out what's happening on campus or in their courses.

Spiewak said that digital displays are also important to carrying on school traditions, supporting student connectivity, and informing students about activities and events. And they not only deliver information but help students absorb it.

"Delivering that in vibrant and beautiful imagery is really what universities are looking for," added Spiewak. "They want to take it up to the next level, and the latest displays and dvLED technology are allowing them to do that."

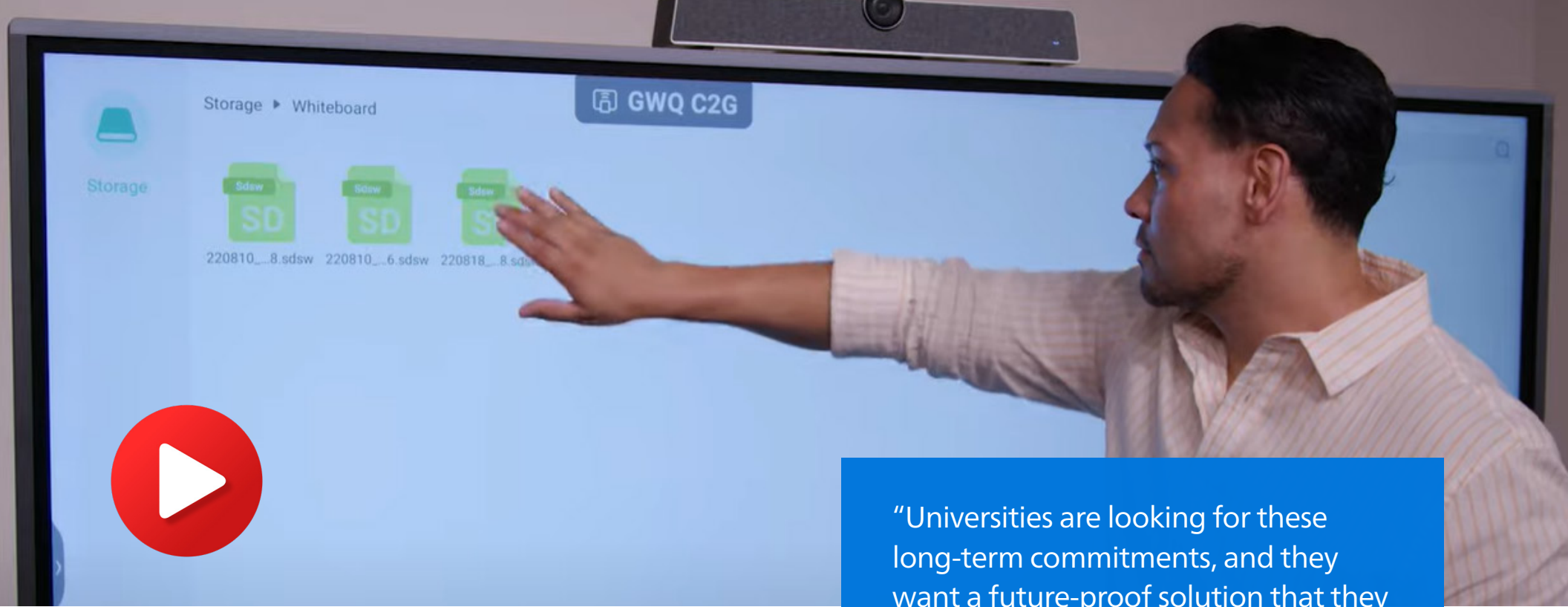


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Senior Product Manager,  
Professional Displays

Sharp/NEC Display Solutions of America



“Universities are looking for these long-term commitments, and they want a future-proof solution that they know that they can count on over the long haul,” Brauner said. “So [these warranties] just really seemed like a logical thing and seem very desirable for these environments.”

#### Look for low-maintenance solutions

To ensure the best experience with your digital displays, look for low-maintenance options. They should be easy for the IT team to connect, as well as to maintain. Remember that solutions with parts like filters or lamps will need to be changed periodically. That kind of maintenance can be inconvenient if equipment is hard to reach or in high-traffic areas.

#### Ask about warranties

Education technology is an investment and should last as long as possible. Ask your technology partners how long warranties provide coverage, as well as what they cover, including shipping costs to return equipment.

To meet the needs of higher ed institutions, some of the new AQUOS BOARD series solutions will carry best-in-industry, limited 5-year warranties. Some existing products will get extensions on their warranties to 5 years, explained Brauner, who added, “You’re going to find that the Sharp/NEC collaborative lineup is best in class for a warranty.”

## Sharp/NEC Is a Proven Education Technology Provider

It can be difficult to find a technology vendor with an extensive portfolio that can provide solutions for all their higher education spaces, from classrooms to lecture halls to student unions to sports arenas to athletics stadiums.



# PrecisionTouch technology



Sharp/NEC offers products for every kind of education space. Brauner said, "You really can consider what is the best fit for your particular application. If you need high brightness, maybe one of our dvLED video walls would be a better fit. If you need a large size, we offer the interactive AQUOS BOARDS up to 86 inches. But if you have to go beyond that, then maybe a projector solution or a video wall solution might be a better display option for you. So it all really depends on the size of the space, the brightness, and the way you want to utilize the display. And multiple technologies can be integrated together. Basically, they can have whatever they want to achieve their goal."

There are more reasons [Sharp/NEC is a top provider](#) of solutions for colleges and universities, including:

- Sharp/NEC solutions are easy to use
- They offer some of the most extensive warranties in the industry
- Sharp/NEC makes deploying, installing, and maintaining their products easy
- You can ramp up quickly because the products are easy to use

As a proven education technology provider, [Sharp/NEC can provide all of a school's ed tech needs](#) while meeting the needs of educators and IT directors.

Spiewak said, "We want to make sure that number one, they're easy to deploy, easy to use, and they're up and running quickly, as well as making sure that we're providing the best value for the money. So we want to make sure that our technology is the latest and greatest as far as meeting the demands of the educational environment."

### **Transform learning with the right display tech**

The technology solutions you choose today will impact today's students and even future students by improving their educational experiences, giving them fair and improved learning opportunities, and allowing them to develop the skills they'll need in the real world.

# Improve student experiences with eye-catching, easy-to-use displays in learning spaces.

Contact AVI-SPL to get started.

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