Polyvision
SURFACEMATTERS

Enhancing Your Visuals: Best Practices for Whiteboard Projection

Teaching and presentation methods have evolved. More multimedia, projection and interactive content are being incorporated into the classroom and into corporate meeting spaces worldwide.

High performing, multifunctional whiteboard surfaces that work with both analog and digital information are now an increasingly important tool for everyday interaction, learning and collaboration.

Polyvision's CeramicSteel surfaces enhance educational spaces. They offer a unique combination of durability and an environment that fosters creativity and interaction. These surfaces are specifically designed to support modern educational methods emphasizing active and engaged learning. They provide a robust and hygienic canvas that is perfect for traditional teaching and the dynamic exchange of ideas that contemporary education demands.

Projection in a learning environment can significantly enhance engagement and comprehension by allowing students to visualize concepts in a dynamic way. When educators use projection technology to display multimedia resources, such as videos, interactive diagrams, or real-time data, it caters to diverse learning styles and fosters a more immersive and interactive experience, ultimately deepening understanding and retention of the material.

VIEW PROJECTION PROPERTIES WHITE PAPER

IMPROVE VISIBILITY

Using a whiteboard or large projection surface allows all students in the classroom, regardless of where they are seated, to see the content clearly. This is particularly important in larger classrooms where students in the back might struggle to read smaller text or see detailed diagrams on a traditional paper. A larger surface ensures that important visuals, graphs, or text are easily visible to everyone, minimizing the chance of students missing critical information.

ENHANCE ENGAGEMENT

Large projection surfaces not only present information but also invite interaction. Teachers can easily navigate through digital content, such as videos, interactive quizzes, or educational software, while projecting it to the class. This dynamic approach holds students' attention better than static text or smaller media forms.

ENCOURAGE PARTICIPATION

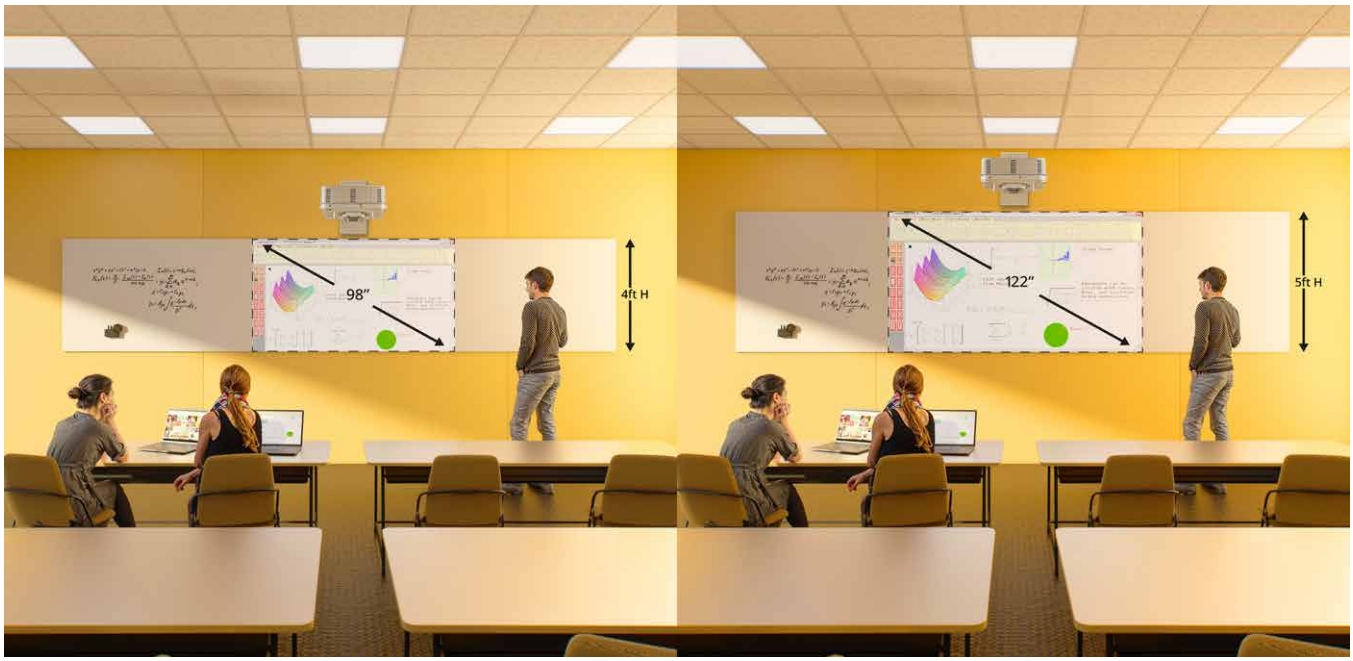
Many students are visual learners who absorb information more effectively when it's presented visually. Projecting charts, images, or videos helps students make connections between concepts, reinforcing their understanding. Additionally, larger visuals can be used to illustrate complex ideas, breaking them down into more digestible parts.

COLLABORATIVE LEARNING

A large whiteboard can facilitate group work by allowing students to gather around and collaborate on shared problems or projects. Teachers can prompt discussions or brainstorming sessions with the whole class contributing ideas while everyone can see the progression of thoughts and concepts in real time. This collaborative environment fosters a sense of community and encourages participation.

FLEXIBILITY IN INSTRUCTION

With the capability to project various forms of media, educators can tailor their teaching styles to meet the diverse needs of their students. For instance, a lesson can shift from a lecture format to a video presentation or an interactive poll, keeping students engaged and responsive.



48 in 16:9 Ratio = Approx 48 in H × 85 in W = 98 in Diagonal (nominal)
60 in 16:9 Ratio = Approx 60 in H × 106 in W = 122 in Diagonal (nominal)

OPTIMAL VIEWING

Viewing distance in a classroom is an important aspect of teaching and learning that can significantly impact student engagement and comprehension. Maximum recommended distance for standard 48 in high markerboards is increased 25% by using a 60 in high option.

DETAILED VIEWING

For optimal viewing where students / viewers are engaged with details like small text, numbers, or graphical information.

48 in: 48 in × 4 = 192 in (16 ft) max distance from whiteboard
60 in: 60 in × 4 = 240 in (20 ft) max distance from whiteboard

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BASIC VIEWING

For optimal viewing where students / viewers are engaged with basic viewing suitable for general presentations or classrooms where the content is not overly detailed.

48 in: 48 in × 6 = 288 in (24 ft) max distance from whiteboard
60 in: 60 in × 6 = 360 in (30 ft) max distance from whiteboard

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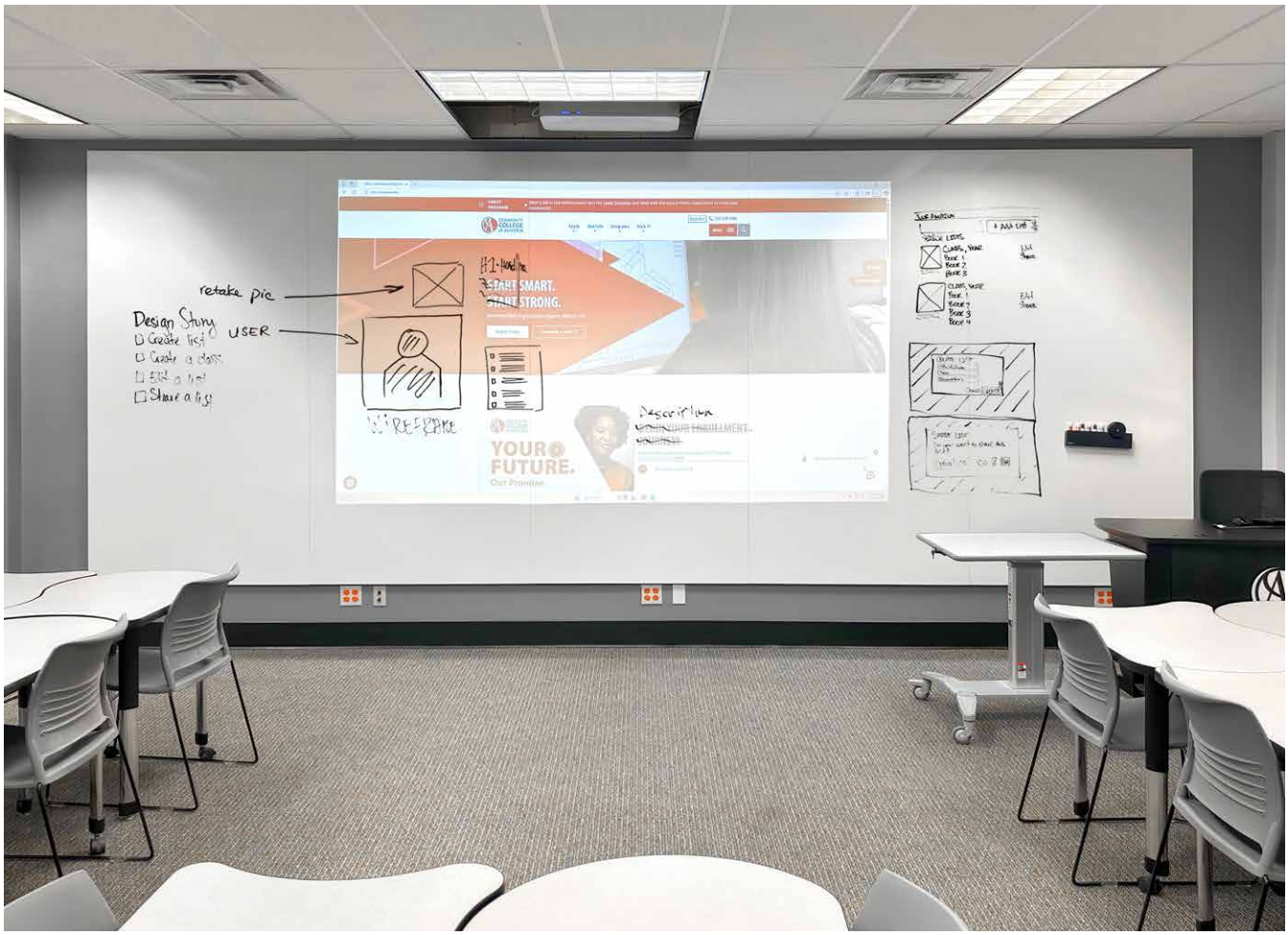
PASSIVE VIEWING

For optimal viewing where students / viewers are engaged with passive viewing (i.e. videos or movies).

48 in: 48 in × 8 = 384 in (32 ft) max distance from whiteboard
60 in: 60 in × 8 = 480 in (40 ft) max distance from whiteboard



PROJECT, WRITE AND COLLABORATE

Projecting larger images on a full-height marker board system offers a multitude of advantages, enhancing both visual learning and interactive engagement. With ample space to write in analog over the digital image, users can seamlessly integrate vibrant visuals with essential notes, promoting a more dynamic and comprehensive presentation. The CeramicSteel surface further expand this versatility, allowing for annotations, brainstorming, and additional context to be conveyed directly alongside the imagery. This combination facilitates clearer communication and encourages collaboration, as participants can easily contribute their ideas and insights in real-time.

Fusion of digital and analog elements creates an immersive experience that caters to diverse learning styles and fosters active participation.

Full-height marker board allows presenters to project larger images while simultaneously writing in real-time, creating a more collaborative environment. This dynamic format encourages active participation, as audience members can contribute ideas and feedback directly on the board, enhancing the overall effectiveness of the presentation.

Traditional presentations are typically confined to a linear flow of information, while the flexibility of a marker board system enables presenters to pivot seamlessly between topics, add spontaneous notes, or highlight specific details as discussions unfold. The ability to annotate directly over projected images not only reinforces key points but also aids retention by combining visual stimuli with written context.

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