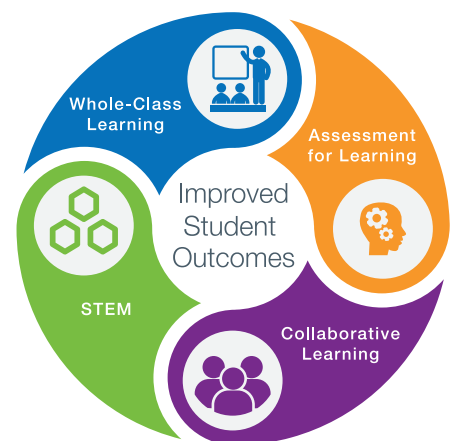# What Whole-Class Learning Can Be.

Whole-class learning is a key aspect of the modern classroom. It's a terrific tool for introducing new concepts to the entire class, or for reviewing material that most of the students found difficult. Many students grasp new ideas more quickly through whole-class instruction – especially if the material is interactive and engaging. It is a great first step in the learning process, before collaboration or team learning begins.

Boxlight interactive technologies offer an effective, engaging, and easy way to provide teacher-led instruction. Whole-class learning can take place from 4K touch-technology to a 130-inch brilliant interactive projected area, and our software and hardware allow teachers to teach the whole class from anywhere in the room.

Whole-Class Learning

Assessment for Learning

STEM

Improved Student Outcomes

Collaborative Learning

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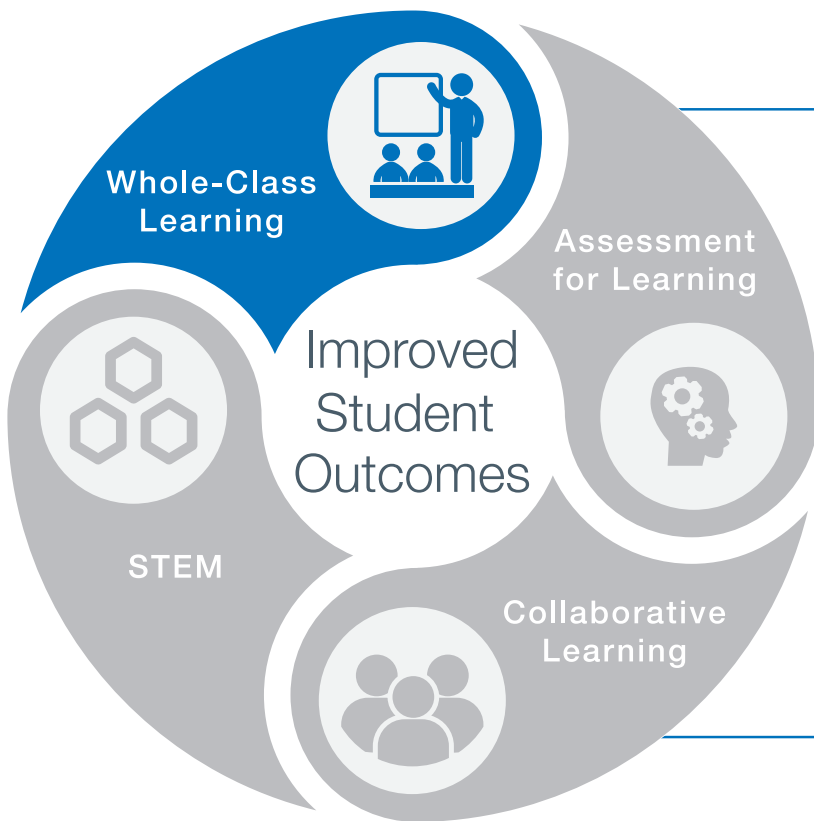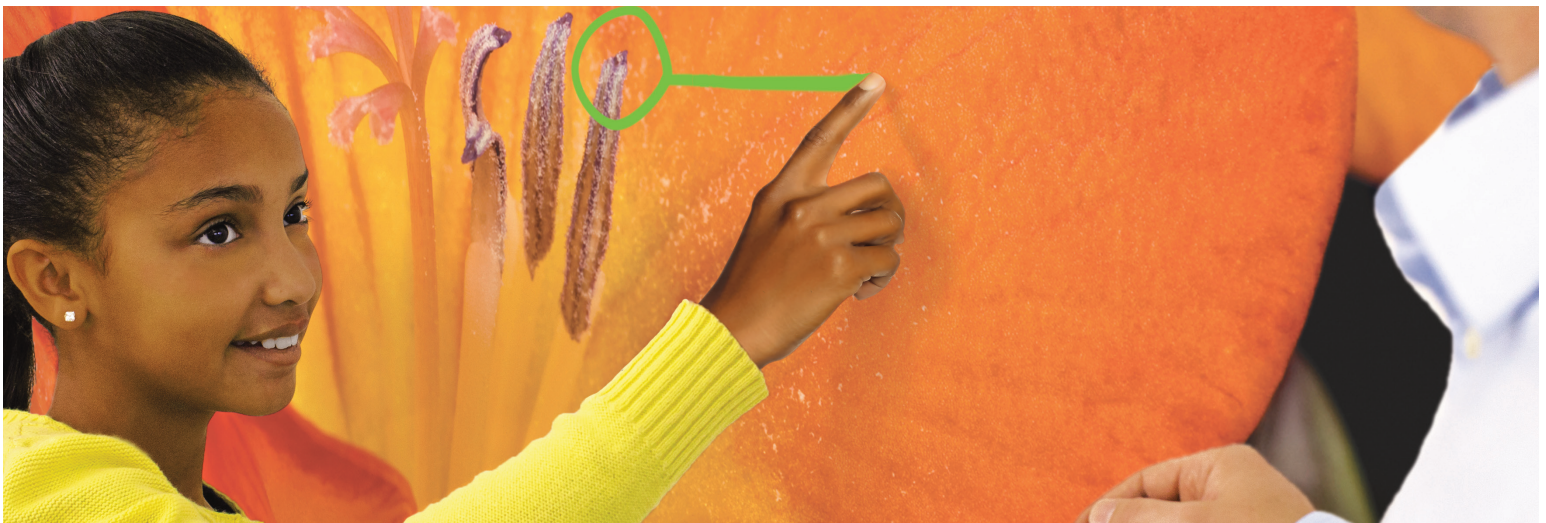
Whole-Class Learning

Our whole-class tools are designed to put students at the center of the educational environment, so they're more engaged, more collaborative, and more motivated. The teacher still drives the instruction, and facilitates the learning. Our whole-class solutions make teaching easier and learning more exciting. Whole-class learning can be teacher- or student-led. It can be several students working together at the front of classroom to highlight a key concept. It can be formal and informal assessment, to determine which type of learning should come next. That's why we offer a wide range of tools – so the whole class can be engaged in learning. When technology is at its best, it doesn't get in the way.

- Procolor™ flat interactive panels allow multiple students to work together on the large touchscreen display at the front of the room, and bring lessons to life in HD or 4K UHD clarity.

- Need more space for front-of-the-room teaching and collaboration? Boxlight interactive projectors bring multi-user interactivity to classrooms, with images ranging from 104 -130 inches!

- Want to create an interactive learning area on any whiteboard in the classroom? Use the MimioTeach portable interactive bar to create interactive areas.

- With the easy-to-use MimioStudio classroom software, you can create dynamic lessons and real-time formative assessments to help you know when it's time to work in teams or small groups.

Improved Student Outcomes

- Whole-Class Learning
- Assessment for Learning
- Collaborative Learning
- STEM

Tips to Increase Whole-Class Participation

- Teach with tech and visual aids that keep students engaged and active.

- Use cooperative learning techniques such as think-pair-share, jigsaw, or round robin.

- Wait 3 seconds. Research has shown that if you wait 3 seconds (vs the standard 1.5) after asking a question, accuracy increases, responses are longer, and more students participate.

"The Boxlight interactive projector allows me to create a huge interactive collaborative space for my students to learn and for me to teach – and I still have my whiteboard."

Travis Rink, High School Science Teacher

The Advantages of Different Whole-Class Tools

There's a wide array of choices when it comes to whole-class technology: portable IWBs, interactive projectors (standard and laser), touch boards, and flat panel displays. Some of the most important considerations are what will work for your classroom configurations and for the teaching and learning styles of your educators and students.

- **Interactive flat panels** offer the brilliance of HD and 4K UHD, which can really bring video and imagery to life. And with touch features, it's so easy to just walk up and start using the display. These displays can enable up to 10 users to work at the display at the same time.

- **Interactive projectors** have the advantage of creating a very large interactive space more affordably than flat panel displays. With these projectors, you can create interactive areas as large as 140 inches! Projectors now come in a wide range of models: touch-based or pen-based, bulb or laser (no bulbs to change ever), HD and ultra-wide — which can enable you to create an 11 x 4 foot interactive area. Many of the touch models allow up to 10 students to work together on the same projected activity.

- **Portable IWBs**, like the MimioTeach interactive device, allow you to use the projectors and whiteboards you already have to create an interactive space. Portable IWBs allow you to easily create another interactive learning area on any flat surface. The low implementation cost makes it possible to outfit more classrooms with this interactive technology.

Screen or projection size is an important consideration for these tools – make sure you choose one that's a good fit for your classrooms. The image size should be large enough that 20-point type can easily be read from the farthest point away from the display in the classroom. That usually translates to three times the diagonal screen size. Thus, a 70-inch display can serve students as far away as 17.5 feet (5.3 meters), and an 84-inch display can serve students as far away as 21 feet (6.4 meters). With this simple equation in mind, look at each classroom's size and seating arrangements to determine what screen size will make for best viewing and engagement in that room.

All of these tools gain their real instructional power when used with classroom software that helps create dynamic lessons, facilitates assessment, and allows for collaborative activities. Technology enhances engagement and allows for interactive opportunities that wouldn't otherwise be possible. All while saving educators valuable time.

Different schools have different needs. Explore what fits your budget, classrooms, teaching styles, and existing infrastructure.
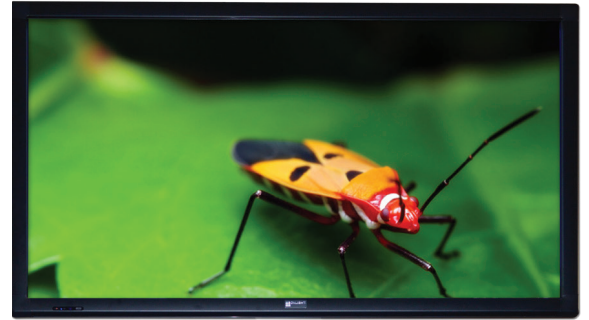
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Which Whole-Class Tool Is Right for Your Schools?

Boxlight educational technology offers an effective, engaging, and easy way to provide teacher-led instruction. Whole-class learning can take place from 4K touch-technology to a 140-inch, brilliant, interactive, projected area. And our software and hardware allow teachers to teach the whole class from anywhere in the room.

ProColor interactive flat panels

Our interactive displays offer the brilliance of HD and 4K UHD, which bring video and imagery to life. And with touch features, it's so easy to just walk up and start using the display. These displays can enable up to 10 users to work at the display at the same time, creating a brilliant, collaborative, learning area.

- The interactive display's huge size and LED backlighting make your lessons more visually striking and memorable, even in large classrooms.

- Up to ten single-point touch users or five dual-touch and gestures users can work simultaneously with Touch 360° interactivity, driving collaborative learning.

- Styli and fingers can both be used in any combination, for quick and easy interactivity.

- Full-featured solution includes MimioStudio™ classroom software, to easily create and deliver engaging lessons, collaborative activities, and formative assessment.

65", 70", 75" and 84" models

75" also available as PCAP 4K UHD

Boxlight interactive projectors

Touch—it's the way the real world works. Now it can be the way your interactive classroom works, too. Touch to draw. Touch to write. Touch to move, scale, and rotate. With up to 10 students working at the same time in an interactive area as large as 140 inches. In addition we offer the reliability of lasers, which means no bulbs to change — ever.

- Boxlight interactive projectors bring multi-user interactivity to classrooms, with images ranging from 104 -140 inches!

- Available in pen-only, non-interactive, and bulb models.

- Comes with MimioStudio classroom software and MimioMobile™ assessment and collaboration app (up to 3 device connections).

- Software and app enable collaboration and assessment either at the front of the room or on almost any student device.

Available as Laser or Bulb Projection

XGA, WXGA, DLP, LCD, HD 1080P, and Ultra-Wide models
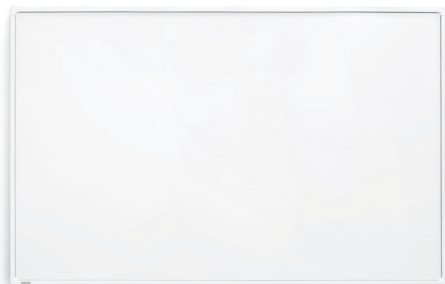
MimioTeach portable interactive whiteboard

Interactive whiteboards can be expensive and complicated, and most must be permanently installed. Not anymore. Now teachers can place the small MimioTeach™ interactive whiteboard on the dry erase boards they already have, push two buttons, and – just like that – they have a full-featured interactive whiteboard for a fraction of the cost of conventional fixed whiteboards.

- A complete interactive whiteboard system that uses the dry erase boards and projectors you already have.

- Straightforward interface lets you get up and running in minutes.

- Full-featured MimioStudio software for creating engaging interactive lessons.

- Lightweight and portable, so you can move it between classrooms, and store it safely.

Creates an Interactive area up to 104"on any flat surface, using a computer and projector.

MimioBoard touch board

78" and 87" models

An interactive whiteboard that offers collaborative learning and an unprecedented touch experience. With 6-point Touch 360° interactivity, up to six individuals can work together simultaneously at this easy-to-install interactive whiteboard. You get a projection-optimized touch board with an erasable surface, that means your touch board can also be used as a conventional whiteboard.

- Includes MimioStudio™ classroom software, to easily create and deliver interactive lessons, collaborative activities, and formative assessment.

- Up to 6 single-touch users or 3 dual-touch and gestures users can work together interactively at the same time, increasing student engagement and driving collaborative learning.

- Lessons come to life in stunning quality on this projection-optimized Porcelain-on-Steel surface.

- The lightweight touch board typically installs in less than 10 minutes with the included mounting brackets.

We've got you covered – from mounts and carts to sound systems. We provide every accessory you need to create a truly interactive classroom. You can focus on student learning and let Boxlight take care of the rest.

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