



LG CreateBoard®

# EdTech-ology: Interactive learning trends in K-12

A lesson on educational technology and  
its power to enhance modern learning.

# Empowering the **next** generation

The next generation of thinkers, creators, and collaborators is formed in the classroom. This is where future engineers tinker with equations. Budding artists learn brushstrokes for their greatest works. And tomorrow's leaders refine their social and analytical skills.

Are your classrooms equipped to empower the next generation?

In a world where work and play revolve around electronics, it's important to involve technology in learning. By including devices like laptops, tablets, and interactive whiteboards in the education process, your school can teach students valuable skills to help them thrive in their future careers.

For example, teaching students how to screen share with the class can set them up for easier virtual meetings in the future. Showing them how to work together online and in person prepares them to navigate a hybrid workforce. And exploring the importance of cybersecurity helps them become responsible digital citizens.

This report is a lesson on what we're calling EdTech-ology—the study of educational technology. Starting with trends impacting the education industry in 2024, we'll offer insights to help your school navigate new ideas, accommodate today's teaching and learning styles, and enhance the modern classroom experience for all.

## What you'll learn

- 3** Education trends to study in 2024
- 5** The history of interactive whiteboards
- 6** Choose the right EdTech for your school
- 8** LG CreateBoard interactive whiteboard solution

# Education trends to study in 2024

According to eSchool News<sup>1</sup>, five trends are shaping the education industry in 2024—Artificial intelligence (AI), enhanced support for educators, more engaging learning environments, classroom accessibility & equity, and tech-enabled learning. Let's explore how these trends may impact your school.



## Artificial intelligence (AI)

**Fast-evolving technology is prompting fresh school policies and classroom experiences.**

It's no secret that AI has changed how students work. To ensure valuable lesson retention and prevent plagiarism, schools may need to adjust policies for how technology can be used to support schoolwork. However, this doesn't mean that AI itself should be banned.

Students will continue to explore this technology in their free time. To hold their attention and interest, educators should explore how AI can be incorporated into lessons and classroom activities. Leaning into its benefits, educators can even teach students how to use AI for research and creative inspiration in an ethical way.



## Engaging classrooms

**Schools are creating more vibrant classrooms to energize learning and inspire creativity.**

Speaking of creativity, another education trend of 2024 is upgrading classrooms to more vibrant and visually stimulating spaces. By moving from neutral hues and simple décor to more playful textures, patterns, and colors, K-12 educators are helping to keep students motivated and engaged in learning. According to eSchool News<sup>1</sup>, this shift can boost students' moods and encourage positive learning behaviors that radiate across the classroom.



## Educator support

**Districts are promoting work/life balance to prevent burnout and improve retention.**

In the interest of positive change, many districts are supporting faculty and staff by offering tech upgrades, training programs, and opportunities to improve work/life balance. In turn, these schools hope to see improvements in employee retention, student engagement and satisfaction, and a greater sense of community district-wide.



## Modern learning models

**New learning styles are taking hold—with innovative, collaborative technology at the core.**

So, what's next for your school? Modern classrooms need modern solutions to enhance learning. And that's why eSchool News reports that "nontraditional learning models" are on the rise.<sup>1</sup> Gamification, for example, is expected to become a driving force of classroom learning.

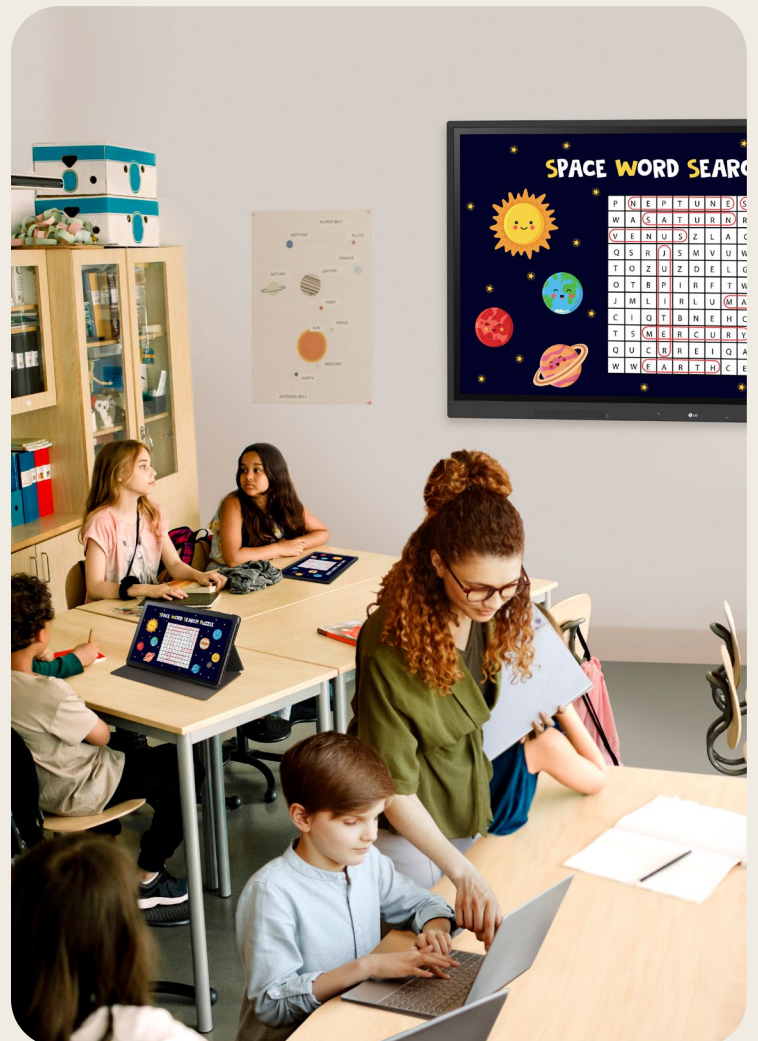
To keep up with this trend and the others explored; schools must deploy classroom technology that promotes innovation, collaboration, and engagement. By upgrading EdTech (or adding new solutions), you can expect to boost student engagement and improve learning outcomes for your school.



## Inclusive environments

**Educators are providing accommodations to ensure equal opportunity for all students.**

Schools also recognize the importance of accommodating various student needs throughout the building. In response, many are promoting equity by creating more inclusive learning environments. New educational technology (EdTech) advancements allow schools to break down barriers in many classrooms—ensuring equal opportunities for all. In many regions, educators can even pursue specialized training to understand student roadblocks and how to navigate them in modern classrooms.



# Let's go to the board

In the early 1800s, schoolhouses were introduced to the first iteration of what we know today as a chalkboard (or blackboard). These pieces of slate allowed instructors to share written information with the whole class at once, for the first time. Chalkboards evolved to become a K-12 school standard—stretching around classrooms to give educators ample writing space. Fast forward another 150+ years, and the whiteboard (dry-erase board) was introduced to bring even more writing options to the front of the class.

Today, classrooms can achieve another level of collaboration and knowledge sharing with interactive whiteboards. Also referred to as smartboards, interactive whiteboards were invented in 1987. In 1991, schools began to implement this new technology, which achieved worldwide adoption by the early 2000s.<sup>2</sup>

As with any promising new technology, brands have continued to advance and evolve interactive whiteboards. Today, these solutions are standard in many K-12 classrooms and contribute to greater student comprehension, engagement, and knowledge retention.

## Why interactive whiteboards?

Great question. These classroom solutions were designed to allow educators and students to interact with material in more tangible ways.

For example, rather than verbally explaining the impressionist works of Claude Monet, an art instructor could use their interactive whiteboard to display images of Monet's famed paintings—zooming in and out to explore every detailed brush stroke. Or a mathematics teacher may use the board to calculate a geometric equation—displayed alongside a bridge image to reveal how geometry is applied in the real world.

## Student engagement

Interactive whiteboards also provide an easier way to keep today's students engaged and connected. Both in school and at home, many students spend much of their day using electronic devices like phones, laptops, tablets, and TVs. By adding modern whiteboard technology into this daily mix, schools can make learning more accessible, engaging, and fun for tech-savvy students.

## Interactive whiteboard history

- **1987** Interactive whiteboards are invented
- **1991** Schools begin implementing the new tech
- **2000s** Worldwide adoption is achieved
- **2020s** Interactive whiteboards become essential K-12 classroom tech

## Streamlined instruction

Interactive whiteboards can be a stress-reliever for educators. Crucial tasks like lesson planning, activity development, and daily instruction can be made easier with this technology that brings the world's wonders and resources into the classroom.

**With an interactive whiteboard at their disposal, educators can plan creative lessons that make students more excited to learn. But to achieve these results, you need to apply the correct solution.**

## ASSIGNMENT:

# Choose the right **EdTech** for your school

More than thirty years after their invention, today's interactive whiteboards are more powerful and feature more options than ever. This can make your school's choice of solution more challenging. Unless you know what to look for.



## Laptops for seamless integration

With smart features like Posture Warning to support healthy habits and MIL-STD- 810G certification to withstand accidents, LG gram laptops are built for student use. Thin, lightweight, and ultra-portable, these devices can easily circulate from the classroom, to study hall, and beyond. And when it's time to present in front of the class, LG gram integrates seamlessly with LG CreateBoard for A+ performance.

## K-12 interactive whiteboard checklist

- Connected features for broadcasting messages or alerts schoolwide
- High-quality design from a trusted manufacturer, backed by warranty solutions
- Large screen size for easy viewing from the back of the class
- Multimedia capabilities to enhance lessons
- Powerful speakers for clear audio throughout the classroom
- Responsive touchscreen that allows multiple students to collaborate
- School IT security options to protect students online
- Screen share options for educators and students
- Simple installation, setup, and configuration
- Wheeled stand options for moving around the classroom
- Added value services—i.e. product training, curriculum templates, AI features

## Study up: Indian Creek School's story

A private Pre-K-12 institution in Maryland, Indian Creek School<sup>3</sup> is an excellent example of how choosing the right interactive whiteboard solution can be challenging, but ultimately rewarding.

According to Sara White, Director of Educational Technology at Indian Creek, the school's legacy interactive whiteboards were overly complicated, with too many features to count. Rather than empowering educators, the boards had become a barrier to sophisticated lesson planning. "It felt as if the teachers were given a chef's kitchen when they only wanted to make mac-n-cheese," said Sara. As a result, Indian Creek's teachers weren't using the interactive boards to their full potential.

So, it was time for a change.

In 2022, Indian Creek implemented new LG CreateBoard interactive whiteboards throughout the school. "LG CreateBoard checked all our boxes," Sara remarked, "from build quality, reliability, and intuitive operations to pricing and mobile use capabilities." Indian Creek's faculty and staff agree that LG CreateBoard has helped to transform their classrooms with its easy-to-use features—backed by unrivaled support from LG Business Solutions.<sup>3</sup>



**"LG CreateBoard checked all our boxes—from build quality, reliability, and intuitive operations to pricing and mobile use capabilities."**

— Sara White, Indian Creek School

# Show me connected classrooms

LG CreateBoard is an interactive whiteboard solution built to connect, engage, and inspire K-12 classrooms.

A powerful teaching tool, this interactive whiteboard is a multimedia hub of the classroom. Its intuitive and innovative design can accommodate multiple connected devices simultaneously. Student laptops, classroom gaming consoles, external displays, and more can be wirelessly cast to the LG CreateBoard screen in an instant. But that's not the only reason why schools choose this solution.

## Why schools love LG CreateBoard

At LG, we understand schools need EdTech Solutions built to keep classes running smoothly. That's why LG CreateBoard is easy to install and even easier to operate—with onboarding and training resources to reduce the EdTech learning curve.

What makes our solution stand out for K-12 schools? In one sentence: LG CreateBoard encourages teamwork, promotes engagement, and provides comprehensive tools for all ages—all while being easy to use, manage, and trust.

With this solution at the head of the class, students can interact with ease. Educators can connect and share with impressive speed. Administrators can keep school and student data secure. And everyone can enjoy built-in flexibility that makes schooldays more productive, collaborative, and fun.

## Why LG CreateBoard?

- Easy to install, operate, and manage
- Google Mobile™ Services authorized (LG CreateBoard TR3DK Gen 2 with Google Play™)
- Onboarding and training resources
- Security features to protect school data
- Optional remote management features
- Award-winning educational technology solution



**LG CreateBoard encourages teamwork, promotes engagement, and provides comprehensive tools for all ages—all while being easy to use, manage, and trust.**



# Show me LG CreateBoard

## Amazing sound

Encourage participation from all corners of the room with built-in speakers.

## QR-enabled startup

Use fast QR code verification to run apps like Google Drive™ without re-entering passwords.

## Remote management

Add LG ConnectedCare® DMS software to monitor, control, and manage from anywhere.

## Secure screen lock

Lock the screen with one button to prevent unwanted or unplanned interaction.

## Google Mobile™ Services authorized

Authorized to distribute Google Mobile™ Services for seamless access to collaboration tools.

## Multi-touch precision

Boost collaboration with up to 40-point multi-touch detection for lifelike writing.

## Smart viewing options

Display several materials on one screen with multi-window or picture-in-picture modes.

## Writing & drawing tools

Access rulers, tables, sticky notes, and more with built-in software for easy participation.



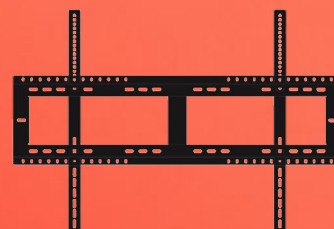
## Sizes & mounting accessories\*

LG CreateBoard is designed to accommodate your classroom's space and requirements. Whether you want to mount your new interactive whiteboard to the wall or need the freedom to move the screen from class to class, we offer configurations to suit your needs.

Simply choose your screen size (ranging 55" – 98"), select your mounting accessories, and we'll take it from there. Class dismissed.

\*Accessories are optional and available at an additional cost.

LG CreateBoard Universal >  
Wall Mount



< LG CreateBoard Display  
Mobile Stand



FINAL EXAM:

# Engage your school with LG Education Solutions

Whether you need to empower students with laptops, upgrade hallways with digital signage, or support educators with interactive whiteboards, LG offers solutions for your school.

Connect with an LG representative to explore the full suite of LG Education Solutions built to enhance modern learning.



## Sources

- 1 eSchool News. "5 of the Biggest Education Trends in 2024." January 31, 2024.
- 2 Clemson University. "The Development and Significance of Classroom Technologies." November 2021.
- 3 LG Business Solutions. "College Preparatory School Improves Classroom Experience with Advanced New Interactive Digital Boards." Case Study. 2022.

Copyright 2024 ©LG Electronics USA, Inc., 2000 Millbrook Drive Lincolnshire, IL 60069, USA. All rights reserved. LG and the LG logo are registered trademarks of LG Corp. All other products and brand names are trademarks or registered trademarks of their respective companies. Designs, features, and specifications are subject to change without notice. All screen images are simulated for illustrative purposes only.