Interactive Learning for a Changing World

Using Technology to Engage Students, Empower Teachers, and Drive Outcomes Post-Covid
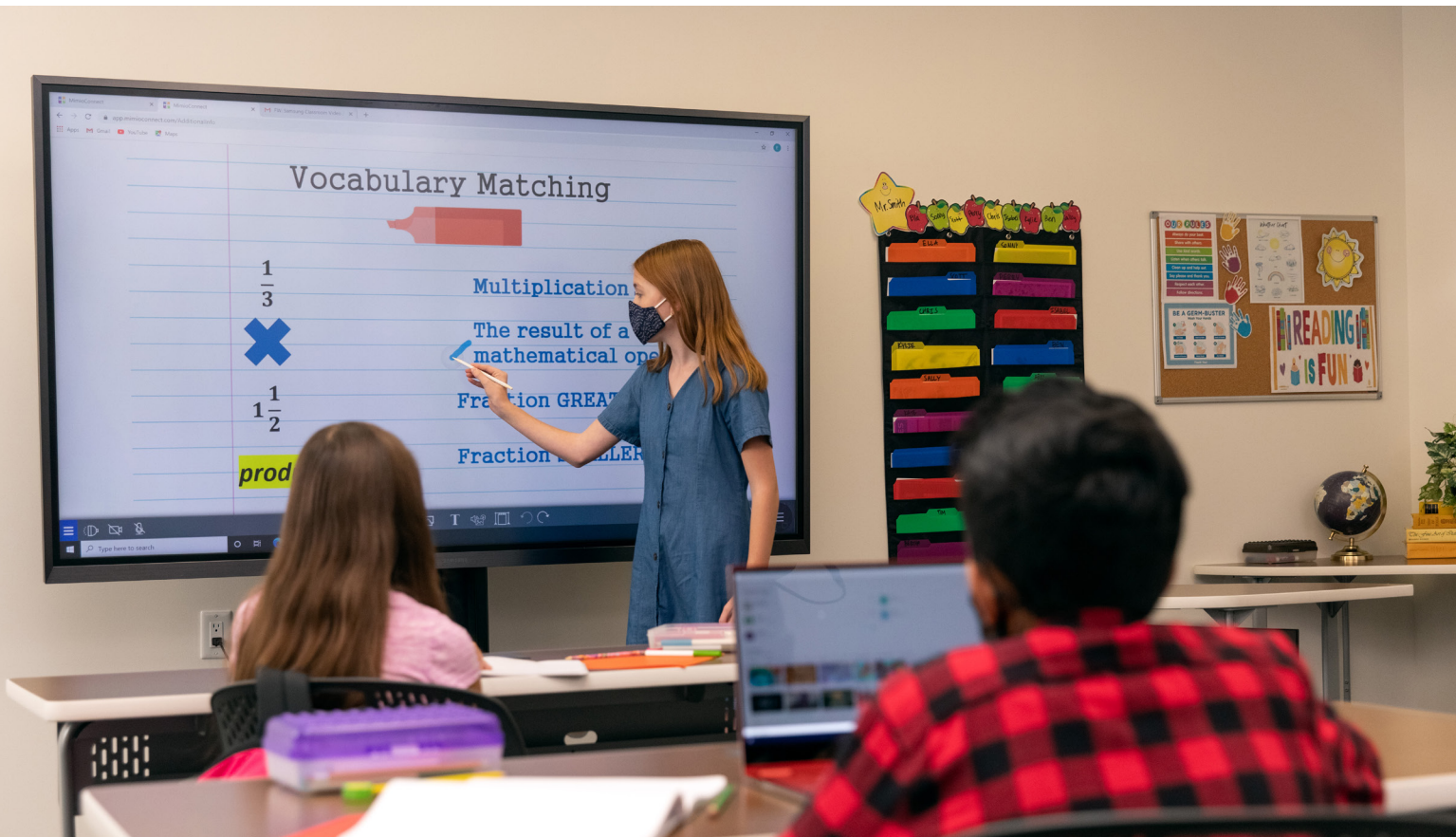
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01 Bringing the classroom into the home

Students and teachers alike are struggling in our newly hybrid world where learning takes place partly on-site and partly online. For many, focus, engagement, and motivation are limited—but distraction, disconnection, and disengagement are routine. Despite being more digitally connected than ever, too many learners are finding themselves lost.

The truth is, there's no silver bullet for addressing the confusing and cumbersome educational terrain of COVID-19. But new technologies are helping to close the gaps.

Chief among them are large-format interactive displays. In this guide, we'll take a look at how schools can use emerging display technologies to engage students, empower teachers, and help keep learning outcomes on pace in our changing educational landscape.
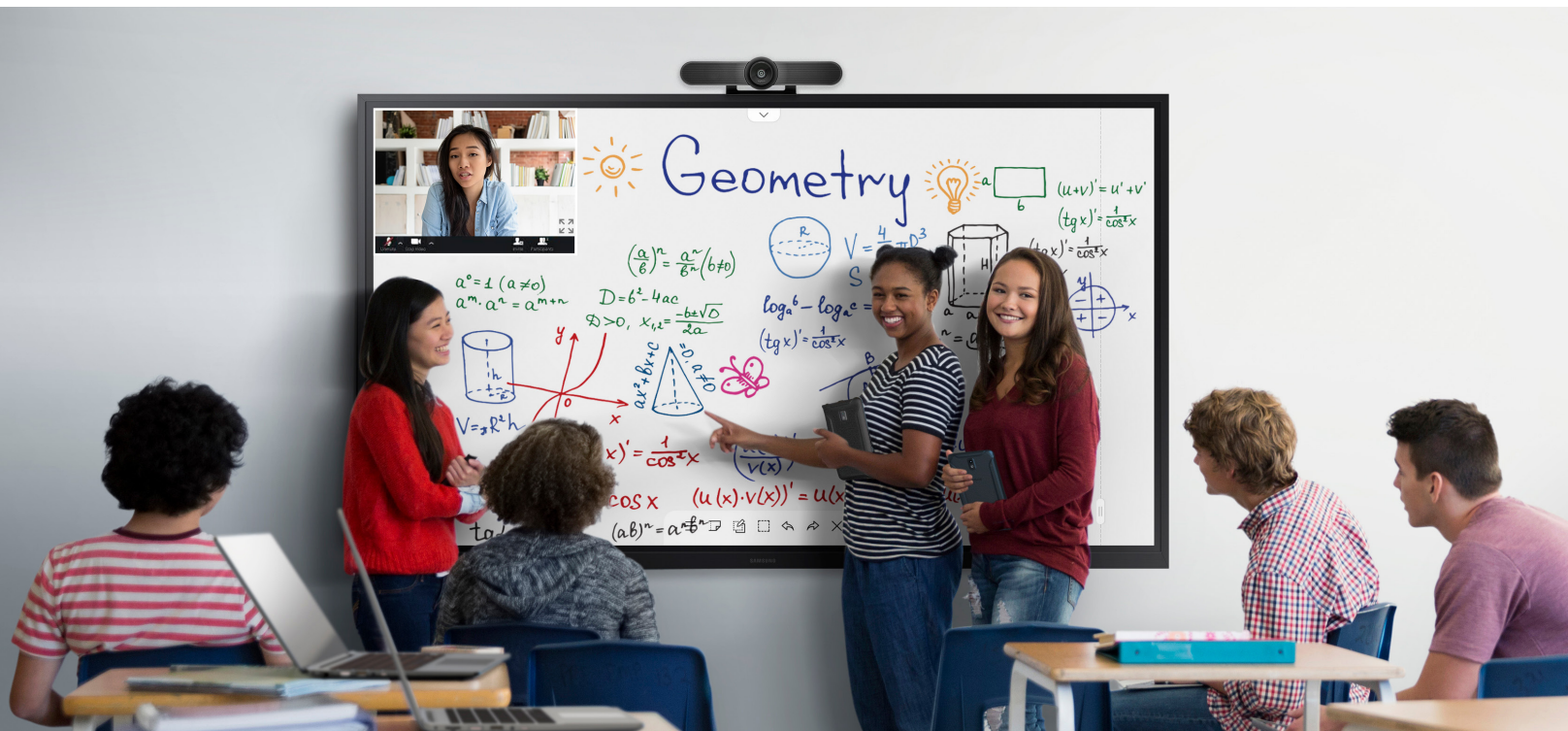
02 Reimagining the chalkboard

In the mid-1800s, the chalkboard became the centerpiece of the classroom. Simple and powerful, it allowed teachers to share ideas and information with students in real-time as a lesson unfolded. The board acts as a unifying focal point. Everybody in the room can look at it, respond, react, and engage with the material.

Interactive displays take that same concept—a vehicle for shaping real-time learning experiences—and enhance it with the power and flexibility of the digital space. "With these new displays, teachers now have a way to create and store their digital lessons ahead of time, record them as they teach, and then improve and modify them later," says Mario DiAntonio, National Solution Sales Director at Samsung Electronics America.

Empowered with this new flexibility, teachers can operate more like digital content creators—generating material quickly, mixing and matching different media types, and revising and repurposing lesson content at will. "The result is much more flexibility," adds DiAntonio. "Some of the material is prepared, some of it is created live, and some of it is added after the fact." Because everything is saved digitally, iterating on lesson content is easier.

03 | Breaking down barriers

But what happens when everyone isn't in the same classroom? That's the case in so many schools today, as classrooms come in all different configurations—some fully remote, some fully in-person, and many a hybrid of both. Schools, parents, and districts are deciding what combination is right for their students.

Through these interactive display technologies and their corresponding software, teachers can simultaneously address students in the classroom while using video conferencing to include and communicate with remote students.

On-site students can see their distance learning peers on a big, beautiful display, giving them a sizable presence in the classroom. At-home students can seamlessly hear and interact with their classmates. The display and its accompanying software is a portal that brings both sides together.

Key ideas to keep in mind when considering interactive tools for the classroom:

- **Simplicity**. How challenging will this tool be for educators and students to learn?
- **Flexibility**. What else can it do besides act as a "digital chalkboard?
- **Inclusivity**. Can all our students engage with this tool whether they are remote or in-person? Will it improve learning for students with special needs?

04 Connect, communicate, and collaborate

Despite students being in different physical locations, these interactive displays enable teachers to maintain a standard level of control and communication with all students. A teacher can use the technology to call on remote students with ease, and even shut down individual screens if they want to grab students' attention.

Additionally, if a school has a 1:1 learning environment, where every student has a tablet or laptop, the interactive board can sync directly with those devices—passing content back and forth for a truly connected experience. Students can easily alternate between working independently and participating based on content being shown on the board. The same holds true for students logged in remotely.

Regardless of their locations or access to materials, both remote and in-person students can engage with the same online games or simulations. Students can share work with one another easily, and collaborate in breakout groups that can be controlled and moderated by the teacher. Apps and tools—from graphing charts to protractors— can be used in real-time, and every student can see what the teacher is doing simultaneously.

In short, interactive displays enable more cohesive teaching. "They're the tools that school communities need for teachers to teach their lessons, students to receive them, and administrators to access the results," Mario adds. "That's what's necessary to keep schools on pace."

How to think about interactive displays:

- **Connect**. Ensure everyone is more present, regardless of whether or not they are in the classroom
- **Communicate**. Give students and teachers simpler ways to make sure they're voices are heard
- **Colaborate**. Help students learn to work together and foster creativity remotely

05 | Interactive learning, reimagined

Beyond engaging students and empowering teachers, interactive learning technologies can also drive learning outcomes. Research from Carnegie Mellon University shows that interactive learning activities are more likely to help students learn than passively watching lectures and videos, or reading text.[1]

> **"Interactive learning actively engages the students in wrestling with the material. It reinvigorates the classroom for both students and faculty. Lectures are changed into discussions, and students and teachers become partners in the journey of knowledge acquisition."** – **Stanford University**[2]

But what constitutes interactive learning activities today almost always includes technology and digital content of some sort. Whether it's Zoom-based teaching, TikTok educational videos, or BitMoji classrooms, the notion of interactive learning is inseparable from the media-rich culture that surrounds us.

The next generation of interactive displays gives today's educators the chance to bring all of that virtual learning power into a centralized hub.

Simply Brilliant: Samsung Interactive Displays

Samsung has always believed in the power of technology to facilitate learning. With the widespread adoption of hybrid learning models, we're helping teachers and administrators tap into the power of large-format, touchscreen displays to create engaging, inspiring, and collaborative learning environments in any setting.

- **Everyone in sync.** Teachers can sync content from their laptops to the display via HDMI, display port, or screen mirroring—as well as sync to remote devices.
- **Ongoing discussion.** When class is over, teachers can store, print, or email files—and even save them to a USB or network drive. This facilitates after-class communication—either between the students themselves, or between the teacher and students—synchronously or asynchronously from any location.
- **Hands-on engagement.** Group projects and hands-on instruction on the high-response, low-latency canvas are enabled by a touch display that supports up to 20 users.

Safe and secure, our interactive displays are also cloud-ready, and come loaded with a built-in web browser. Teachers and students can search the web, share videos, and collaborate remotely from the minute they turn on the display.

06 Empowering schools to embrace change – and keep pace

Samsung is proud to offer a complete ecosystem of display products and solutions optimized for all variations of back-to-school, including remote learning and hybrid teaching models.

"We're working with educators to bring ease to the transition to remote and hybrid learning models. Students' safety and health are top of mind and we are proud to be able to offer tools that bring the classroom into the home." **- Mark Quiroz,** *Vice President of Marketing for the Samsung Display Division.*

Talk to us about helping your students realize their potential whether in a remote, hybrid or on-campus classroom environment.

Footnotes:
[1] Carnegie Mellon University
[2] Study.com

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