

5 WAYS TO SUPPORT TECH-ENABLED CREATIVITY IN TEACHING

SUPPORTING TEACHERS
WITH DYNAMIC SOLUTIONS
TO ENGAGE STUDENTS



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BEST-IN-CLASS TECH FOR CONTENT CREATION & SHARING

Teachers can use their natural creativity with today's technologies to unlock boundless opportunities to innovate learning in two important areas—lesson content creation and lesson content delivery.

Easy-to-use tools elevate teachers' ability to capture students' attention with engaging lessons. It also enables them to share those lessons in ways that enrich student learning experiences.

The result? Better student outcomes.

Solutions in each area include products that enable:

Content Creation

- 01 Dynamic video
- 02 Crisp audio

Content Delivery

- 03 Large group collaboration
- 04 Small group collaboration
- 05 Personalized learning

Let's take a closer look at each of these.



More than 80% of teachers' report that projects incorporating technology in transformative ways do more to personalize learning, build student agency, and connect learning to the real world than projects that do not utilize technology.¹

01. DYNAMIC VIDEO

Students today routinely interact with video content in their daily lives, making it a relevant medium to use in teaching. Educators can integrate video into their teaching practice in a variety of ways, including:

- Bringing the outside world in via guest speakers, virtual reading groups and more.
- Share prerecorded content in the classroom.
- Creating digital content to allow students to learn at their own pace or rewatch to aid comprehension and retention.
- Enabling students to access learning material when absent or unable to attend in-person classes.

Combining the power of video with the amplification of voice, lessons come to life, keeping students engaged in learning.

78% of high school students and 84% of middle school students reported that they regularly use online videos to learn how to do something.²

TECH TIPS

Look for streaming cameras that feature:

- High frame per second rate (at least 60 fps) for smooth video
- 1080 HD resolution with a broad field of view (FoV) to allow teachers to move around naturally
- Autofocus and exposure so teachers look their best in any lighting
- Flexible setup options, such as on a laptop or a tripod, for use in different locations
- Integrated editing application, if needed



02. CRISP AUDIO

Whether teaching a live in-person class or recording learning material to be viewed later, educators need to ensure their voices are heard clearly at every point, no matter what the environment.

A standalone microphone focuses in on what matters and amplifies only that. Background noise is left out.

This helps students stay connected and engaged as well as improves their ability to accurately understand concepts.



Students in sound-amplified classrooms scored an average of 35% higher on the Dynamic Indicators of Early Literacy Skills.³

TECH TIPS

Look for microphones that offer the sound pickup pattern needed for the situation.

- A cardioid pattern picks up sound directly in front of the mic
- A bidirectional or stereo pattern picks up sound on two sides of the mic
- An omni-directional pattern picks up sound around the mic in a 360° manner



03.

LARGE GROUP COLLABORATION

Technology can connect students with remote experts or peers in other school locations, enable hybrid learning, and more. Ensuring every student sees and hears the teacher and teachers see and hear every student makes this possible. It's also easier than ever to share content regardless of where people are located.

The cost of providing access to quality educational resources and experiences can be dramatically reduced through virtual learning solutions. This can be particularly true in situations where the traditional school model may be impractical, such as in rural or remote locations.⁴



Presenters enable teachers to command and direct student attention, whether in-person or virtually.

TECH TIP

Tools like Logitech Spotlight allow highlighting so teachers can hone in on where students should focus. This eliminates distractions and further engages students.



Video collaboration system connect teachers and students to a range of experiences, such as virtual fields trips, career-focused presentations, or peers in a hybrid learning environment.

TECH TIP

Each system is designed to broadcast sound and visuals within an ideal space, making it important to match the solution to the configuration of the room it will be used in.



Whiteboard cameras turn static whiteboards into dynamic, digital teaching interfaces, letting students see and understand content more fully.

TECH TIP

Tools like Logitech Scribe provide a transparency effect so students “see through” the instructor for an unobstructed view of material on the whiteboard.

04. SMALL GROUP COLLABORATION

Teachers can help students build critical thinking, teamwork, and social skills with solutions that enable effortless student-to-student collaboration as well as teacher-to-student collaboration.

Small group teaching is learner-centered and keeps students in active mode. Benefits of small group teaching include flexibility, interaction, reflexivity, and engagement.⁵



A **stylus** that does not require pairing with an individual tablet lets teachers write on individual students' tablets and also enables students to write on each other's tablets for truly dynamic in-class collaboration.

TECH TIPS

Styluses need to withstand a student's full day. Look for features like:

- Long battery life
- Quick, easy charging
- Roll-proof shape
- Liquid-resistant design
- Drop protection



With a **webcam**, a small group of students can easily connect with video content and virtual experts even within the classroom.

TECH TIPS

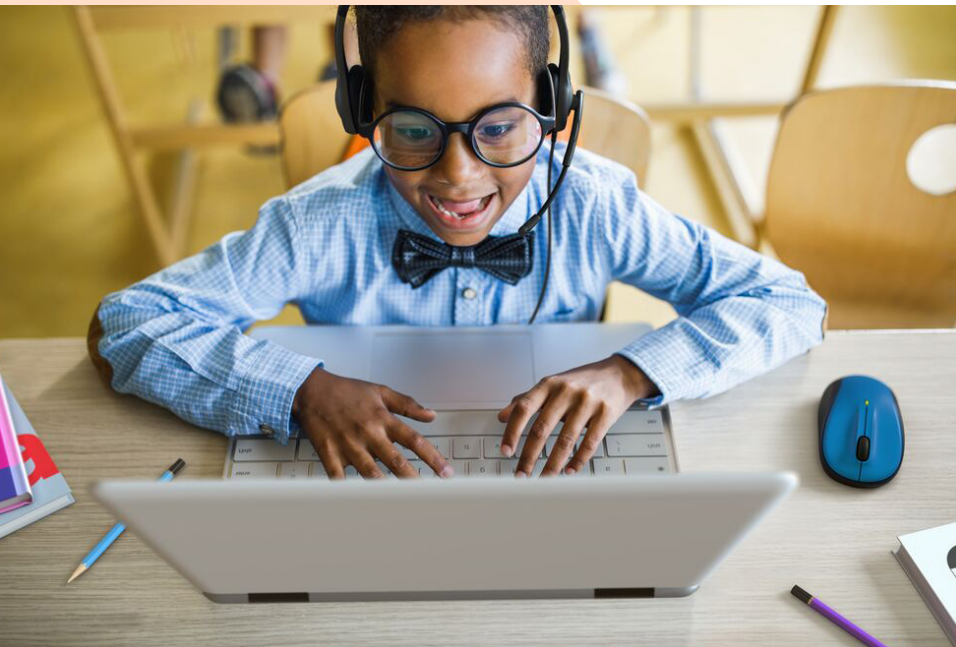
Webcams best for education feature:

- Background noise reduction
- Auto light correction
- Drop testing
- Easy mounting

05. PERSONALIZED LEARNING

The right technologies support a student's ability to work the way they need to for the best outcomes. That helps them focus for activities like reading, writing, one-on-one instructor time, self-paced app work, or research.

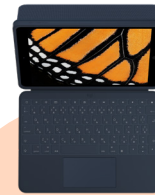
The benefits of independent learning include increased motivation and confidence.⁶



A **personal headset** drowns out background noise—be that fellow students in class or siblings at home—so students can focus.

TECH TIPS

- Choose headsets that block background noise to improve engagement and focus for personalized app use.
- Ensure mics have adjustable positioning so students can be heard and communicate clearly with their teachers, building their confidence.



Logitech Rugged Combo 3 Touch

Winner of the Tech & Learning Awards of Excellence "Best Tools for Back to School" in the primary K-6 category

An **iPad keyboard case and trackpad** gives students multiple ways of interacting with learning content while protecting the iPad.

TECH TIPS

- Select cases with multiple use modes for typing, viewing, drawing, reading and more.
- Look for easy connections with no pairing needed.
- Offer a full row of iPadOS® shortcut keys.



A **mouse** may help students at different stages of motor skill development effectively navigate learning content.

TECH TIPS

- Offer left or right-handed use.
- Find mice with a comfortable shape, size, and smooth scrolling.
- Ensure plug-and-play simplicity.

PUTTING IT ALL TOGETHER

More than ever, school leaders and IT professionals have the ability to partner with teachers to stimulate new ways of learning in the classroom and beyond.

Equipping teachers with the right technology empowers them to develop creative content and to deliver that content in dynamic, engaging ways.

This approach to education connects teachers and students, making teaching and learning fun.

Now that's creativity in education.

According to Gallup, 87% of teachers and 77% of parents agree that teaching approaches that inspire creativity in the learning process have a bigger payoff for students.¹



READY TO GET STARTED?

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Education@Logitech.com

At **Logitech for Education**, we are curious lifelong learners, constantly questioning and innovating. We are relentless in our pursuit of tools that make an impact. This passion drives us every day to design innovative products that create transformational and accessible experiences for students, teachers, and schools.

Supporting education is inherent to our mission as we know that today's students are tomorrow's innovators.

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¹ *Creativity In Learning*; Gallup Report, 2019.

² *Digital Learning: Peril or Promise for Our K-12 Students*, Speak Up Research Initiative 2018-19, Project Tomorrow.

³ Cherilus, L, Oregon research study, 2004.

⁴ "Best Practices in K-12 Online and Hybrid Courses," Hanover Research, August 2015.

⁵ *Teaching and Learning Through Large and Small Groups*, *Journal of Research in Medical Education and Ethics*, December 2018.

⁶ *What is independent learning and what are the benefits for students?*, London: Department for Children, Schools and Families Research Report 2008.