

Remote Learning

Powered by the digital pen

Handwritten words and pictures have always been central to the learning experience. Wacom pen displays make them digital, interactive and even more powerful.

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Remote Education Experiences

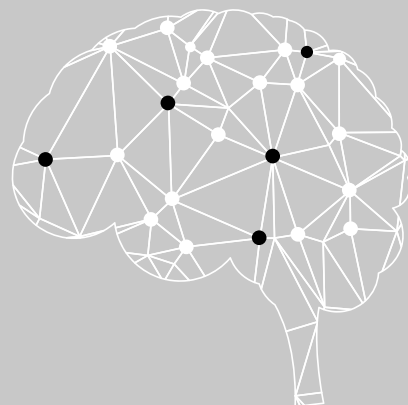
Improved learning outcomes

Online video makes the remote learning experience personal. But the human element gets diluted if teachers and students still have to use a mouse and keyboard. Digital pens are far more intuitive.

Consider pen displays as the remote equivalent of chalk and a blackboard in the classroom. These devices enable teachers to prepare lessons and students to make notes on screen with a digital pen. The pen display is the missing human link in the remote learning experience for teachers and students alike.

Both teachers and students can work more naturally, collaborate on documents simultaneously, and share information easily and digitally.

The result is a more natural and efficient workflow for teachers, and better learning outcomes for students.



THE EDUCATIONAL VALUE OF HANDWRITING

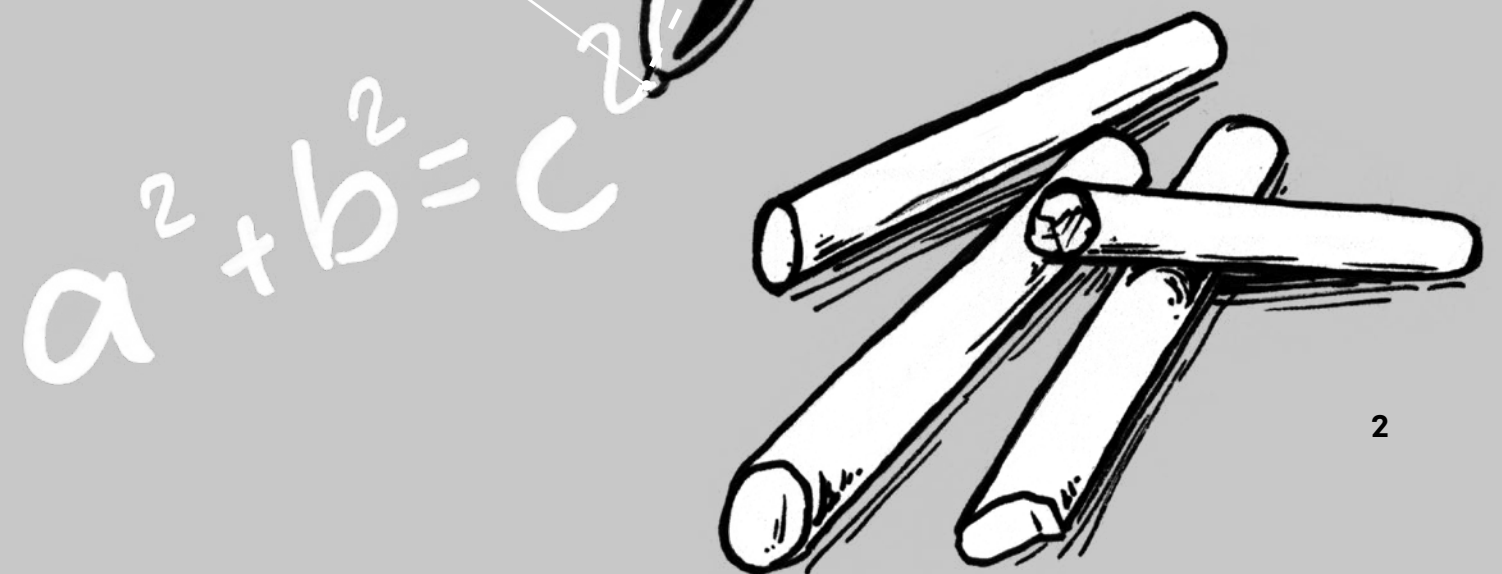
Studies have shown that writing notes by hand reinforces the learning process. That's because the physical process of writing activates large regions of the brain responsible for thinking, language and working memory. And, in certain areas, the neural activity within the brain replicates that associated with meditation. This helps to unleash creativity and ideas that might otherwise remain hidden.

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Cordless & Battery-free

Short-cut Switches

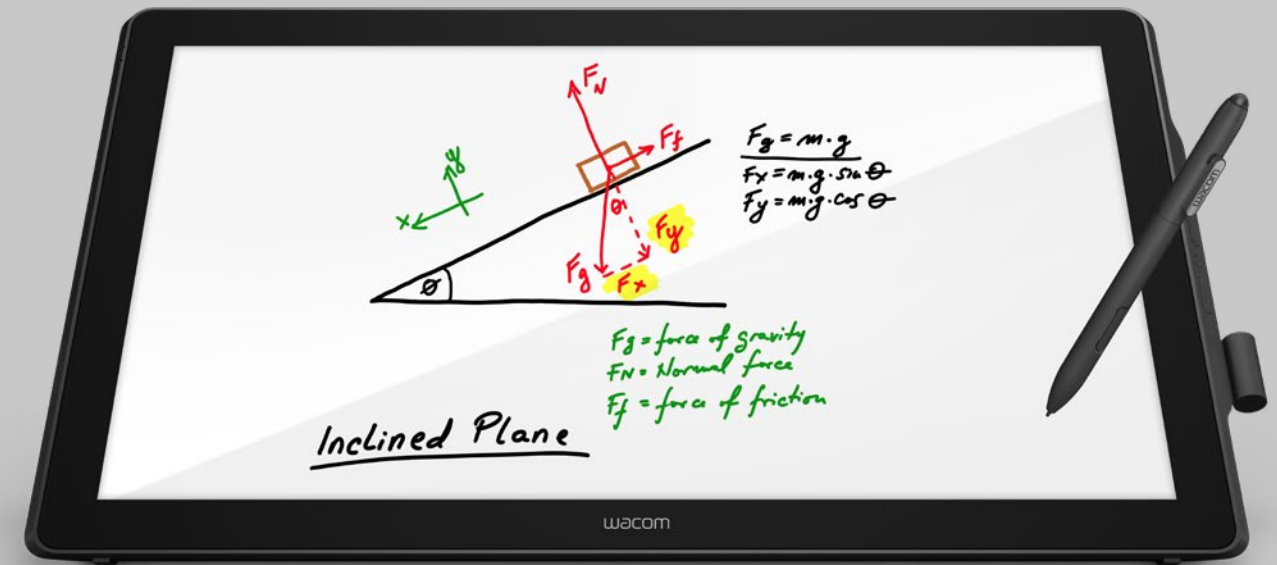
Pressure Sensitive Tip



Purpose-Built Devices

Digitally-enhanced education

In classrooms, teachers already use digital devices, such as iPads, tablets or laptops, to create lesson plans, engage with students and take notes or provide feedback. But these devices put a heavy burden on IT staff. Purpose-built devices make things simpler.



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WHY PURPOSE-BUILT IS BETTER

Using a purpose-built interactive pen display from Wacom (such as the 24-inch DTH-2452 Interactive Pen & Touch Display, shown above) opens up previously-untapped opportunities for educators. It's designed for heavy duty usage. And, unlike most devices used by educational institutions, which require the use of proprietary software, all Wacom pen displays are software neutral. That means schools can utilize their standard software programs, such as Microsoft PowerPoint and whiteboard software applications like OpenBoard. This makes them easy to integrate into the existing IT infrastructure, and intuitive for teachers to start using with the digital pen that comes with the display.

RICH CONTENT, DELIVERED REMOTELY

Teachers can use their Wacom pen display to bridge the distance between remote learners and the classroom by creating rich, interactive content that really engages students to participate just as they would in person.

Whether starting with a blank slate or marking-up existing digital content, teachers can teach while simultaneously adding handwritten notes and pictures. If students also have a pen-enabled device, such as the compact and affordable Wacom One, they can also respond with handwritten inputs.

And because all the annotations are digitally-rendered, teachers can save the most up-to-date versions of all their materials with informational mark-ups. Then, they can be stored electronically for students to access, anytime.



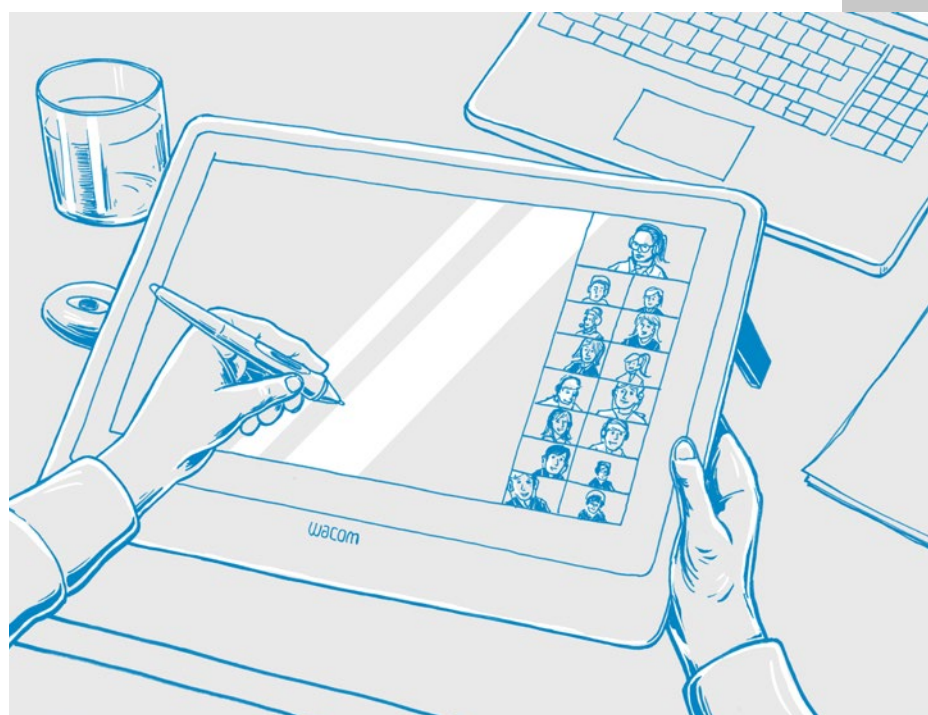
The Remote Teaching Workflow

End-to-end education

ONLINE LESSON PREPARATION

1 Teachers can use a pen display such as the Wacom DTK-1660E to transform their static lesson plans into dynamic, interactive classroom presentations that help maximize student engagement. Teachers can use the digital pen to annotate, draw, highlight and

explain content within the material before they present it. Using additional software, they can record voice content in advance. And they can also easily plug in extra devices such as a USB microphone or camera for an enhanced interactive experience.



INTERACTIVE TEACHING

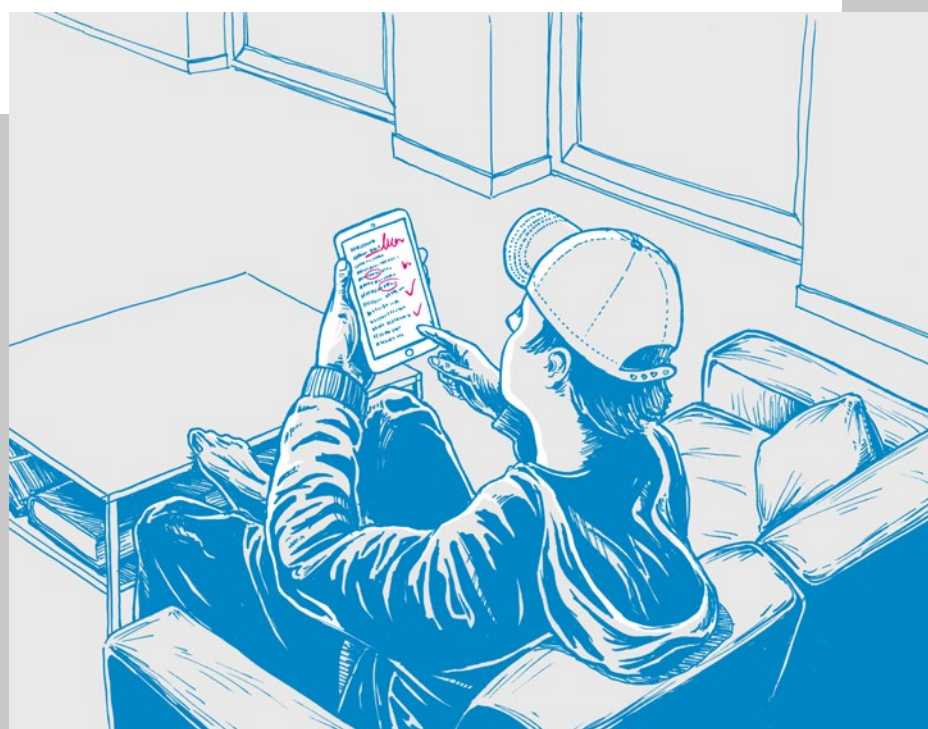
2 During the lesson, teachers can use the pen display to mark up and annotate their pre-prepared digital content. This could mean, for example, capturing student comments and elaborating on key concepts with drawings, sketches and diagrams, or adding new

information on the fly. And, in subjects like math that don't use as many prepared materials, the teacher can use the digital pen with whiteboard software to write just as they would in a physical classroom.

IMPROVED LEARNING OUTCOMES

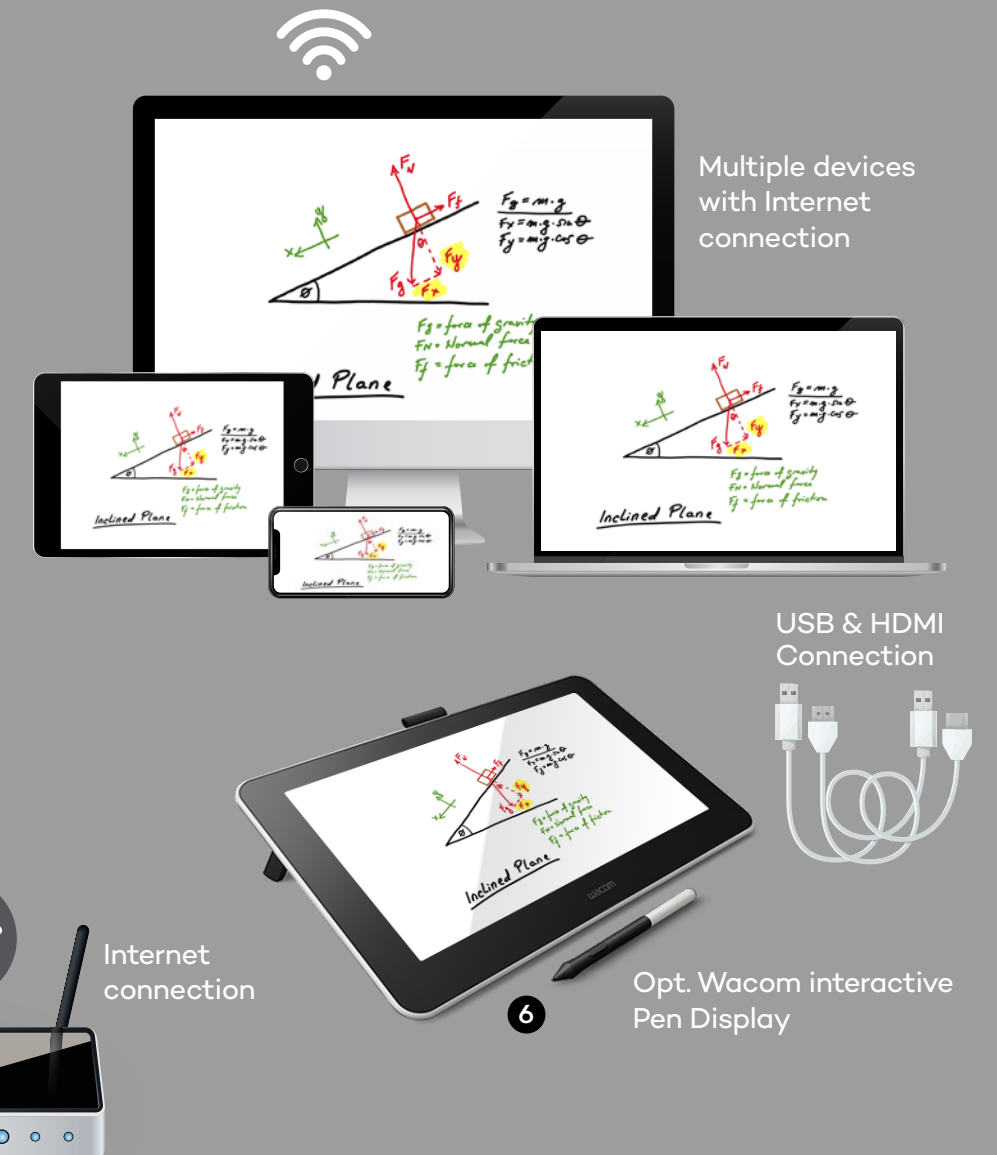
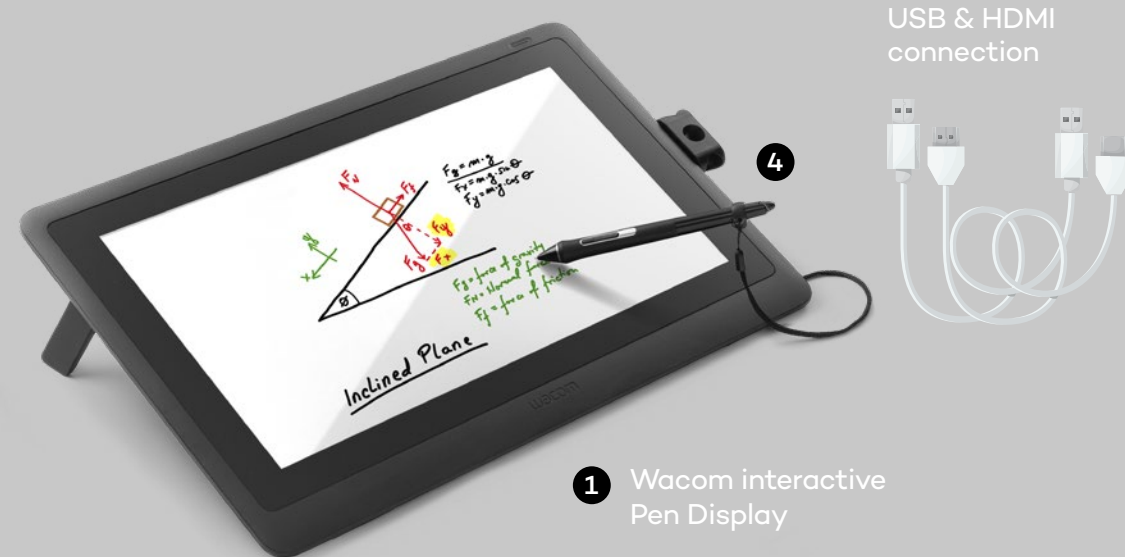
3 All the content created by teachers and students during the lesson is saved within the electronic files being used. Whatever device they are using, students can send their work back to the teacher electronically.

The teacher can then use the digital pen to provide written feedback and return it to the student. The completed files can either be stored, or distributed via email or the school's Learning Management System.



Wacom for Education

Human digital input



OPTIMIZED REMOTE LEARNING INFRASTRUCTURE

By using purpose-built pen displays, the ideal remote learning infrastructure can be created with minimum effort.

- The Wacom interactive pen display **1** is connected directly to the teacher's computer **2**. This means the teacher can work with all his or her familiar applications and services **3**.
- The battery-free and pressure-sensitive digital pen enables **4** the teacher to make notes and write naturally and directly on the display in applications like Microsoft Word, PowerPoint, Excel and OneNote **3**. They can also save the completed file in multiple formats such as PDF, JPEG, GIF, PNG, etc.

- Teachers can present content spontaneously and use the digital pen to annotate as they teach via drawings, comments and notes.
- Depending on the hardware and software being used, they can also use a web cam **5** to show themselves in addition to the material and maximize student engagement.

- Ideally, students also have access to a pen-enabled device **6**, so they can participate in the lesson using handwritten inputs too.
- After the lesson, the teacher can provide feedback by hand in the work submitted by students. Documents created by teachers and students can be stored and or distributed electronically, easily and quickly.

Learning Unleashed

Pen-enabled experiences

Wherever teachers teach and students learn, Wacom has the pen display to suit every environment and budget. Every device matches Wacom's robust build quality with simple installation and exceptional ease of use. Teaching and learning have never been so intuitive.



INTUOS S, INTUOS M
7 or 10 inch

The economical pen tablet with optional bluetooth – the easiest way to start using a digital pen for remote lesson creation and delivery.



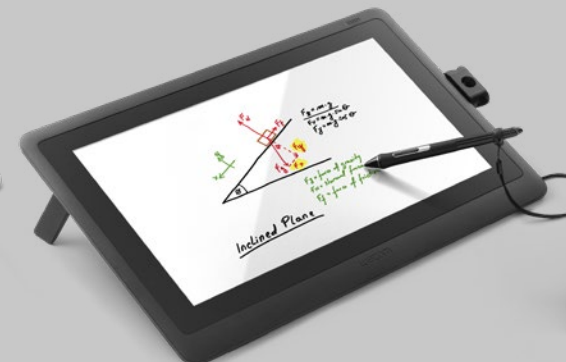
DTU-1141B
10.1 inch

An ideal pen display for teachers working remotely to create or annotate content. Compact size and USB power ensures portability and easy installation.



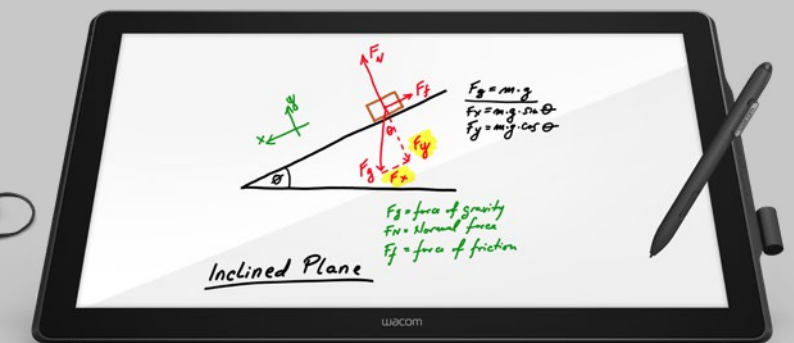
WACOM-ONE
13.3 inch

The flexible option for remote learning students to connect and interact during online classes, even without Wi-Fi, by connecting to Android tablets.



DTK-1660E
15.6 inch

The compact pen display for teachers to create interactive learning experiences at their workstations.



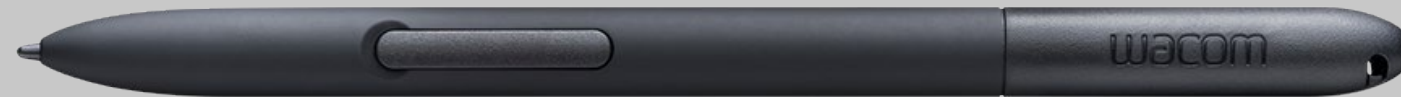
DTK-2451 / DTH-2452
24.0 inch

The large form-factor pen display allowing teachers maximum creative freedom when designing and presenting interactive lessons remotely.



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More human



More digital



Japan (HQ)

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