Classroom Collaboration
Powered by the Pen

Wacom pen devices provide an intuitive, reliable and hassle-free way to digitize the learning experience online and in the classroom.

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Digital pens
The new classroom essential

Pen-enabled devices allow teachers and students to interact intuitively and individually. Teachers can teach just as they do with a traditional whiteboard, whether online or in the classroom. And students benefit from a more dynamic experience, while retaining the enhanced learning effect that handwritten notes provide.

The advent of 1-to-1 classroom models has transformed the modern classroom – with more than 40 million laptops and Chromebooks currently in use in schools more and more content is going online.

Something has been lost, however, in this shift – because alongside the computer has come a reliance on a keyboard to communicate. Unfortunately, keyboards have significant limitations in capturing the breadth and depth of interpersonal communications. In most classes, educators and students need to utilize a combination of text, symbols, numbers and drawings to explain ideas, demonstrate comprehension and solve problems.

Introducing digital pen-enabled devices, alongside collaboration software and an LMS can help schools and universities move towards a more natural digital collaboration model both in and out of the classroom.

Like any new technology, digital pen devices need to be easy to implement and use for IT, educators and students. And they should be designed to enhance tried and tested pedagogical methods, not replace them.

With over 300 million devices in the market and nearly 40 years experience, Wacom is an ideal technology partner for schools keen to be at the forefront of this important evolution.

Effective education
Bi-directional communication

Wacom's pen-enabled displays and tablets - connected to both the teacher's and the student's PCs - enhance the familiar classroom teaching experience in 6 important ways:

1 The devices are as intuitive to use as pen and paper, and can be used by either teachers or students to create rich digital content.

2 Teachers can continuously face the class while presenting their teaching materials, rather than frequently turning their back while using the whiteboard. This creates the opportunity for more engagement with students throughout each lesson.

3 Students can easily make contributions to the classroom discussion by sharing their own digitally inked ideas, without having to leave their desks. Students can also ink outside of the classroom to complete homework assignments and submit them online.

4 Teachers can switch seamlessly between sharing their work or student's work when explaining concepts or working through problems in class.

5 By making student's thinking processes visible digital pens can enable teachers to quickly and easily identify where/ how a student is struggling and provide personalized feedback.

6 With digitally created content, class can be held with all students present, at home, or a mixture of both. When students are equipped with a pen tablet they can answer questions and engage with the teacher and other students using digital ink.
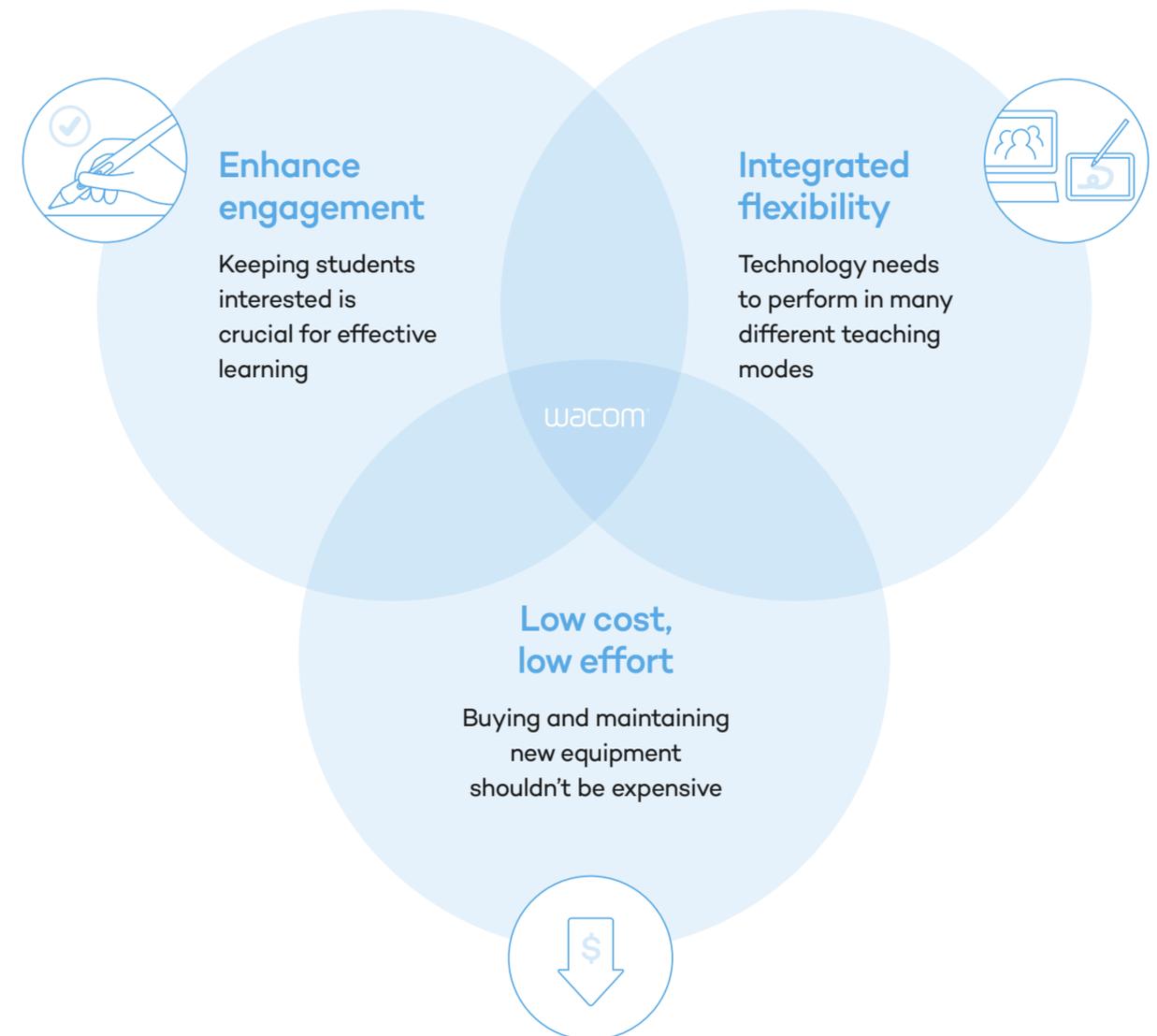
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Easy to install
simple to manage

Educators don't the have time or energy to move equipment around, worry if it's going to work or provide tech support to an entire class. Wacom pen tablets and displays are plug-and-play, and stay that way.

DEPLOYMENT FLEXIBILITY

- Wacom pen-enabled devices come in many different form factors and sizes, making them suitable for a wide range of teaching and learning environments, from small classrooms in schools, to large lecture halls in universities.

- They can be used with almost any standard computer (e.g., PC, Mac or Chromebook), software (e.g., Microsoft Office), teaching application (e.g., Peardeck, Kami App) and learning management system (e.g., Google Classroom, Schoology).

- A choice of desktop and portable devices ensures support for multiple teaching styles and lesson types.

MANAGEMENT SIMPLICITY

- Wacom pen-enabled devices have no operating system and benefit from regular driver updates.

- They are also designed to last for many years in high-usage educational environments, with a much longer lifecycle than computers.

- They are equally appropriate for use when teaching almost any subject, avoiding any potential investment duplication.
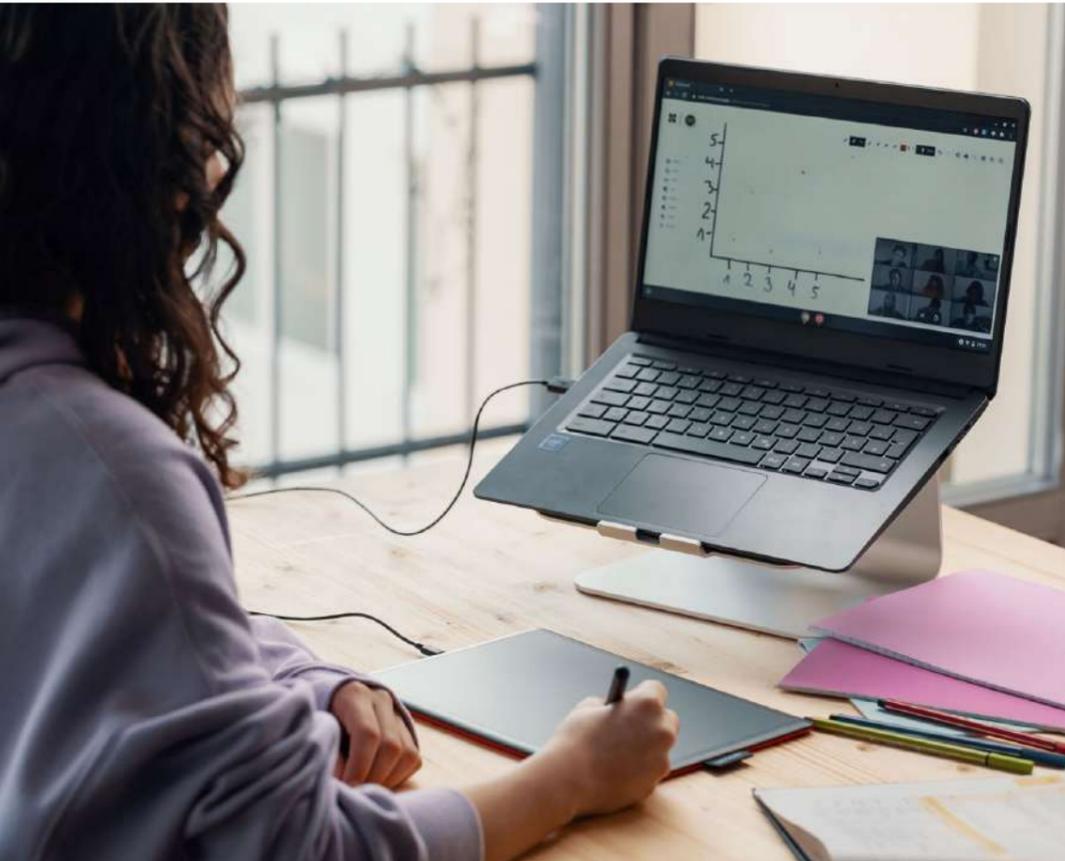
Enhance engagement

Keeping students interested is crucial for effective learning

Integrated flexibility

Technology needs to perform in many different teaching modes

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Low cost, low effort

Buying and maintaining new equipment shouldn't be expensive

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Optimized for collaboration
In and out of the classroom

Pair digital pen devices with the software of your choice to see exponential returns. Wacom devices work with your existing technology suite for classroom management, lesson preparation, digital whiteboarding, video conferencing and more.

Like pen and paper – it's easy to see why we're better together:

- By integrating with learning management systems like Google Classroom, Schoology, Canvas and others – students and teachers can submit homework, ask questions, provide feedback on assignments, grade exams and communicate intuitively both in class and at home.

- Using digital pens can significantly increase student's access to and familiarity with digital tools, help teach students better digital citizenship and prepare them for the modern working world.

- Using optimized applications like KamiApp and PearDeck, a student's inking can easily be made visible to the teacher in real time or asynchronously. This quickly and easily enables teachers to identify where a student is going wrong and provide a quick correction without waiting for a quiz or exam.

- Using digital ink enabled applications allows teachers to save their inked notes and in class work, share it with students and even play it back later – creating new learning assets for students.

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Software Profiles

Wacom has a wide network of software providers working with educational institutions – including those highlighted below:

KAMI APP

Kami is a digital classroom app for Chrome. It allows users to annotate and draw on any PDF document.

Ideal for: Ink on PDFs, Great for Student Assessment, Works with Google Classroom

MIRO

Miro is an online collaborative whiteboarding platform that is ideal for brainstorming, collaboration and planning.

Ideal for: Import and export content, Collaboration, Ideal for Higher Education & Business

PEAR DECK

Pear Deck is an interactive presentation tool used to actively engage students in individual and social learning.

Ideal for: View and Share Student's Inking, Real Time Visibility, Connects Students to Each Other

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Wacom is software neutral

CLASSROOM & LEARNING

CONTENT DEVOLOPEMENT & LESSON PREPARATION

PRESENTATION & COLLABORATION

A pen enabled lesson for **teachers and students**

A Wacom pen tablet or display is the perfect complement to any classroom's audio-visual setup. Just connect the tablet or display to the teacher's computer and start presenting, writing and sketching in a completely natural way. Teachers can even use wireless tablets (as shown to the right) to move around the classroom while they're writing. Users can present live to others in the room, at home, or a mixture of the two.

Students equipped with a Mac, PC or Chromebook can quickly connect a pen tablet to their USB port and start inking in their class or at home. Wacom's compact, highly portable tablets can stand up to hard use – making the trip to and from the classroom for years without failing.

Speakers

Hybrid Class

Chromebook

One by Wacom

1. **Interactive Pen Display** connected to the teacher's PC. (HDMI, USB or DVI-I connections vary by model)
2. Teacher **laptop** or **PC/Monitor** 3. **Webcam** connected to the teacher's PC via USB or Bluetooth
4. **Document Camera** connected to the teacher's PC via USB or Bluetooth 5. **Microphone** or **headset** connected to the teacher's PC via USB or Bluetooth
6. **Wacom Intuos Wireless** pen tablet connected to the teacher's PC via Bluetooth 7. **Monitor** connected to the teacher's PC via HDMI, Bluetooth or Wireless
8. **Projector** is connected to the teacher's PC via HDMI, Bluetooth or Wireless

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Recommended products

Wacom has a range of devices to meet the needs of any classroom set up. From wireless pen tablets to large displays, the devices are software neutral - allowing educators to continue using the programs they already know and love. Plus, they're easy to integrate with the rest of your audio-visual systems.

IDEAL USER: STUDENTS

IDEAL USER: STUDENTS & TEACHERS

IDEAL USER: TEACHERS

ONE BY WACOM

These compact 6 and 8 inch pen tablets are Works with Chromebook certified. The battery-free pen is ideal for small workspaces. Students can connect with their own devices to access online collaborative spaces for engaging, interactive lessons.

Ideal for: Chromebook users

INTUOS WIRELESS

This 6-inch Pen Tablet is lightweight, compact, and cable-free, connected via Bluetooth with no AC charger required. An ideal Pen Tablet for students to use remotely and in class for collaborative work.
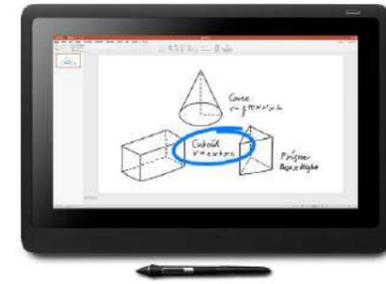
Ideal for: Moving around the classroom

WACOM ONE

Our cost-effective pen display allows teachers to work directly on the 13.3" Full HD screen. The natural surface friction creates the feeling of writing on actual paper with the battery-free pen.
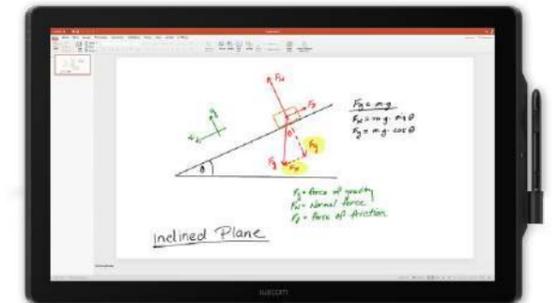
Ideal for: Smaller classrooms, collaboration spaces and remote teaching

CINTIQ 16/22

This premium 15.6-inch pen display is ideal for busy classrooms and remote learning environments. It offers a Full HD anti-glare screen, digital pen, VESA mount, and optional adjustable stand.

Ideal for: Larger classrooms, writing heavy classes as well as lesson creation and content development
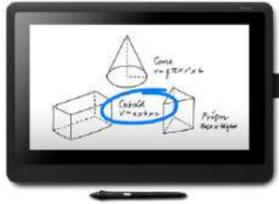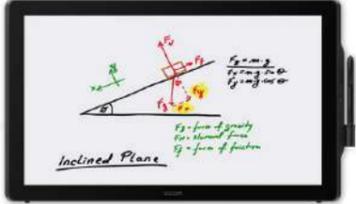
DTH-2452/DTK-2451

This Full HD Pen Display is designed for comfortable digital teaching, featuring a 24" multi-touch screen, video output capabilities, and battery-free pen for intuitive navigation.

Ideal for: On podiums, in large lecture halls or when you need a larger writing surface

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Product Overview

	ONE BY WACOM	INTUOS MEDIUM WL	WACOM ONE	CINTIQ 16/22	DTK-2451/DTH-2452
Size	6" or 8"	8"	13.3"	15.6" / 21.8"	23.8"
Supported Operating Systems	Mac OS 10.13+, Windows 7+, Chromebook 5.5+	Mac OS 10.13+, Windows 7+	Mac OS 10.13+, Windows 7+	Mac OS 10.13+, Windows 7+	Mac OS 10.13+, Windows 7+
Required Software	—	—	—	—	—
AC Power Required	—	—	✔	✔	✔
Drivers	Wacom Pen Driver	Wacom Pen Driver	Wacom Pen Driver	Wacom Pen Driver	Wacom Pen Driver
Touch Surface	—	—	—	—	— DTK-2451 ✔ DTH-2452
Pen Resolution	2540 LPI	2540 LPI	2540 LPI	5080 LPI	2540 LPI
Shortcut Keys	—	✔	—	✔	✔
Wireless	—	✔	—	—	—
Draw Directly on Screen	—	—	✔	✔	✔
Video Passthrough	—	—	—	—	✔
Ideal user	Students	Students & Teachers	Students & Teachers	Teachers	Teachers

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Explore
the opportunities

Talk to us about a pilot program that will get your school or university using Wacom pen-enabled devices to enhance the teaching and learning experience.

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