

Business white paper

HP Classroom Manager

Empower teachers, engage students



Technology is both a blessing and a curse to the classroom. It can make lessons more interactive and dynamic for teachers, although it can also create added distractions. But with HP Classroom Manager, teachers can maintain an engaging experience while monitoring student activity—creating a more efficient learning environment.

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Dynamic technology, dynamite students

Teachers are always looking for ways to enhance the learning experience and elevate student achievement and collaboration year over year. Integrating technology into the classroom environment is critical to this goal, but it doesn't end with the installation of devices and networks on campus. Many teachers fear that technology will be hard to use and cumbersome to learn. It's not always easy to see how a computer can be used as a teaching tool.

HP Classroom Manager bridges the gap to help technology meet the specific needs of the classroom. In addition to monitoring student activity on PCs, teachers can engage students and track their progress with smart digital learning applications. Teachers can make interactive lesson plans, run game show style Q&A sessions, and administer tests and instant response surveys with auto-grading and score tracking to gauge individual student learning throughout the day.

Teachers are empowered to...

- Monitor student activity and progress
- Create interactive lesson plans with shared content
- Administer real-time quizzes, tests, or surveys, and view student progress

Students are encouraged to...

- Be more creative, collaborative, and apply critical thinking skills
- Easily access class materials, quizzes, and presentations or turn in homework
- Ask for teacher's assistance without disturbing the class

Enrich the experience

HP Classroom Manager provides teachers with the ability to instruct, monitor and interact with their students either individually, with small groups or with the whole class. This application is optimized to work across multiple Windows^{®1}, Chrome^{™2}, iOS³ and Android^{™4}-based devices and gives educational institutions the functionality and tools to maximize the use and value of technology in the classroom.

¹Teacher PC requires running Windows 7 or 8.

²HP Classroom Manager Name & Connectivity Server must be installed on a Windows Server for HPCM Student Chromebook functionality; the HP Classroom Manager Teacher Console must be installed on the teacher's Windows computer, and the HP Classroom Manager Student extension must be installed onto each of the students' Chromebooks.

³iOS functionality originates from the HPCM Teacher Console for Windows installation (sold separately). No locking and control functionality originates from HPCM iOS Student Devices.

⁴Android functionality originates from the HPCM Teacher Console for Windows installation (sold separately). No locking and control functionality originates from HPCM Android Student Devices. Wi-Fi Battery Indicators and Student rewards functionality enabled.

Enhance, excite, and elevate achievement

Lesson plans for better learning

Lesson plans are obviously a critical tool for any teacher, so being able to create them using HP Classroom Manager helps streamline all classroom activities under one umbrella. [Interactive Lesson Plans](#) allow teachers to pre-schedule activities for the class, track lesson progress in real-time and share plans with other teachers.

Better tests, more success

The [Test Designer](#) feature makes it simple to design real-time tests and quizzes—including text, picture, audio and video questions. After creating and publishing a test, teachers can use the [Testing Console](#) to deploy the exam to the students' computers and view results in real-time.

Teachers can also conduct instant surveys in seconds and automatically group students by their responses, making it easy to work directly with struggling students. This built-in feature provides a simple, low-cost solution for formative assessment.

See, hear and de-stress

Edgar de León is a Computer Science teacher who uses HP Classroom Manager at the Instituto Justo Arosemena, where the language lab uses Rosetta Stone for teaching English. The teacher in these labs uses the [Audio Monitoring](#) feature to correct the student's accent directly.

“The personalized and ‘private’ interaction makes the relationship between teacher and student easier. So the other students do not notice another student getting corrected, which could result in students laughing at others. It is a positive experience for the student's motivation. It's also a way of interacting that is not felt as intrusive as the more ‘physical’ approach.”

— Edgar de León, Computer Science teacher, Instituto Justo Arosemena

[Real-time Keyboard Monitoring](#) lets teachers see exactly what everyone is typing in real-time, regardless of the application or website being used. They can even query for target keywords for content tracking and view and capture full histories of student typing when it's necessary to record evidence of problem behaviors. [Instant Messenger Monitoring](#) can prevent students from signing into non school-related messengers like MSN, AOL and Yahoo, disable instant messaging altogether, and allow teachers to supervise students' chats.

Ding Yi teaches at one of the highest ranked primary schools in the Jing'an district of Shanghai, China. Her school was having problems keeping students focused and engaged in the material they were learning. The [Chat](#) tool allows teachers to open a discussion session with students—either individually or as a group—so assistance can be provided without disturbing the rest of the class.

“...the instant message tool not only makes the students' work available to teachers, but also aids in helping students to learn how to operate computers. Instant messaging also makes it convenient for timely communication between students and teachers.”

— Ding Yi, teacher, Shanghai, China

This new approach to communication eliminates the stress and humiliation that often results from teachers correcting a student's mistake in front of the whole class. Now this can be done on a one-to-one basis without other students knowing and creates a positive motivation for the student.



“There are some introverted students in my class who do not often take the initiative to interact with teachers or answer questions. With HP Classroom Manager, teachers can instruct students according to their specific study preferences. Some students grow more comfortable with these new ways of interaction and are [now] pleased to communicate with teachers.”

— Ding Yi, teacher, Shanghai, China

Take control of the classroom

With this simple and affordable solution, teachers are able to view students’ screens in real time—either individually or as a group—allowing them to monitor and control students’ activity.

“...students can share their own screens on other computers, which helps to increase interest in their studies. Additionally, this product makes it possible to broadcast videos to all student PCs, which was difficult to accomplish with the prior software we used.”

— Ding Yi, teacher, Shanghai, China

Teachers can keep students on task with advanced monitoring and control features which let them lock or blackout PCs in the classroom with just one click. They can also share their screen with their students, share a specific desktop (if the teacher uses multiple monitors), or share a selected application.

“It allows us to see, in parallel, how the students are solving a given task. If a student is performing the task well it can be used as an example or as a guide for the other students. In case a student complains about the task being difficult, the teacher can prove that the task can be performed by showing that other students are solving the problem by themselves. So, it's not the teacher telling how to solve the task. The students are motivated to solve the task because they see other students are able to do it.”

— Edgar de León, Computer Science teacher, Instituto Justo Arosemena

Capture, create, collect

The [Digital Journal](#) feature is a digital record that captures the day's lessons in a PDF file for student review. During a typical class, all appropriate items relating to the subject can be captured and instantly included in a PDF file for post-lesson review by each student. This feature includes a full record of lesson objectives and details, teacher and student notes, screenshots, survey results, URLs used during the lesson and individual test results.

Browse (and stay) together

The internet is an important resource in education. However, the challenge of establishing and maintaining a safe and appropriate user experience remains a constant obstacle for educators. With HP Classroom Manager, teachers and administrators can define and customize website access for the class, by either enabling or restricting specific sites for students.

“I think the most useful feature is that we are able to monitor and control the students while they surf the internet. We do not need to block the internet pages, but we can control where they go to and advise them where they should or should not go.”

— Edgar de León, Computer Science teacher, Instituto Justo Arosemena

The [Co-Browse](#) feature lets teachers control web browsing during their lesson and guide the students through web pages. While co-browsing, students' computers are locked so they can only view the pages that a teacher opens. Rather than simply showing students a website, teachers can browse the site on their PC while each student's computer displays the exact same content. To give students more freedom to explore pages independently, teachers can use the [Quick Launch](#) feature to send all students to a site and watch as they browse on their own.

Closeup: Ease of use

Palmer School in Walnut Creek, California has students ranging in age from kindergarten to 8th grade. They were having difficulty with communicating assignments and keeping students on task. HP Classroom Manager appealed to Palmer School because of its advanced student and classroom administration tools that make it a feature-rich solution for their lab. Since implementing the solution into their computer lab, Palmer School was able to solve their problem of being able to keep the children—of all ages—on task and focused on what they were supposed to be doing.

“In the past, teachers at Palmer School had a difficult time explaining an assignment. Now we have the ability to show students our teacher desktop and go through each step visually and orally as the students follow along. This is tremendously helpful in a classroom of students with a variety

of learning styles. HP Classroom Manager is such a huge improvement to our previous setup. And I am fairly sure we have only scratched the surface with all the features.”

– Laurie Fahy, Palmer School

Overall, HP Classroom Manager has completely changed and improved the computer lab experience for both Palmer School’s teachers and students.

Simpler tools, lower costs, brighter students

Seamless Connectivity

BYOD (Bring your own device) is a growing trend in education. HPCM is compatible with both the existing school infrastructure and the devices students bring from home; students can have a mix of Windows devices, Chromebooks, iPads and Android devices that will all work seamlessly with one another and the tutor console.

Trouble-free technology

HP Classroom Manager is simple and straightforward to use—even for users who don’t have a lot of technology experience. Toolbar icons and a user-friendly interface mean that you’ll be up and running in a flash.

“It is easy to learn. Most teachers in our school manage to be skilled in operating the software within 30 minutes.”

– Ding Yi, teacher, Shanghai, China

When students are connected to HP Classroom Manager, teachers can remotely turn off or restart the students’ computers at the end of a lesson; making it simple to prepare multiple computers for the next class. Teachers can even ensure that computers are ready when the class begins by remotely logging in students with a single action.

With a number of time- and cost-saving features to choose from, teachers and students won’t be the only ones who benefit from using HP Classroom Manager.

IT managers and administrators also have a list of features they can take advantage of, like:

- Power on, power off, reboot, and login to classroom computers remotely
- Set security policies to identify computers without anti-virus, software updates or internet protection
- Secure teacher profiles each allowing customized levels of functionality as required
- A [Policy Management](#) tool to apply restrictions permanently across the school
- Take control of teacher and student PCs remotely to resolve IT issues without disrupting class

“HP Classroom Manager is effective in prohibiting student use of DVDs, USB drives, and other external devices, which helps maintain the safety and regulation of our computer environment.”

– Ding Yi, teacher, Shanghai, China

HP Classroom Manager helps educators keep students on task, and enables interactive and collaborative learning in a versatile, easy-to-use, cost-effective solution. It has never been easier for teachers to enhance and encourage classroom participation.

Make teaching with technology easier and more effective with HP Classroom Manager:
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