

Brochure

# Make the world your classroom

Common Core Standards solutions and resources by HP



# America's competitive advantage



## Technology supports:

Technology makes education interesting and relevant to real lives:

- Personalization
- Integrating the skills of communication
- Collaboration
- Critical thinking

In today's global workplace, the ability to use technology to adapt, learn new skills, and take on new responsibilities is essential. Common Core Standards is all about teaching those 21st Century skills, so Americans will remain able to compete with any workforce in the world.

How? One key element in Common Core Standards is greater use of information technology. Computers, multimedia, and information processing tools are a powerful enabler of engaging, relevant, student-centered, and personalized learning. Students thrive in technology-based, digital learning environments because technology makes education interesting and relevant to their real lives.

## Preparing for Common Core Standards

In the Common Core environment, students engage in active learning experiences that require them to create knowledge out of information as a means of understanding concepts more fully. In addition to absorbing facts and figures through this process, they also acquire new learning skills that are critical in higher education and the global workplace.

But educators and administrators alike have many valid concerns about implementation of all the technology needed to support Common Core requirements. Among them, districts must:

- Move toward the use of digital textbooks and media in the classroom and in student work.
- Plan and deliver 1:1 programs to promote more, engaging, active, and personalized learning.
- Make these programs sustainable and manageable, while dealing with security issues and proprietary ecosystems.
- Overcome the fears around the changes that Common Core mandates, develop measures for guaranteeing success, and satisfy aggressive milestones, such as national testing schedules.

### Are your schools ready for the test?

Nationwide online testing is a key part of Common Core. Starting in the 2014-2015 school year, virtually every district will administer brand-new standardized tests of student achievement in relation to a common set of educational standards. Whether your state is a member of PARCC or Smarter Balanced, you need to prepare to test a large number of students, online, simultaneously every year. That means your infrastructure must be ready with:

- Plenty of reliable computers for online testing.
- Sufficient network connections and data bandwidth to the Internet for interactive test-taking.
- Accommodations such as touch screens and stylus-ready desktops for test-takers with special needs.
- Security to ensure the validity of online test results and confidentiality of achievement records.



## Education through HP's eyes

### Access + Learning = Outcomes

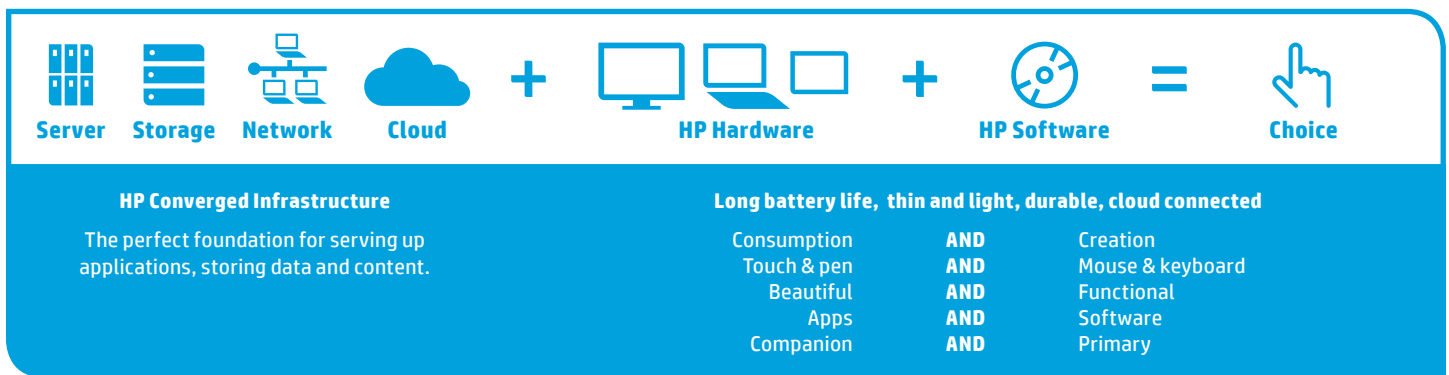
HP's vision for education begins with this fundamental equation. It's the foundation upon which we build our education solutions. We can help you focus on building the infrastructure, curriculum, and professional skills to reach your particular objectives.

Whether your district is looking to graduate more college and career ready students or achieve higher standardized test scores and matriculation rates or universal access to evergreen—a sustainable infrastructure and learning tools are essential for student success. HP's student-centered educational technology, combined with ongoing professional development and curriculum development resources, empower your school system to achieve your desired outcomes.

## HP solutions for active learning

HP provides end-to-end choices for all aspects of K12 computing. Our solutions help you put more technology into the hands of more students, so you can increase engagement, grades, and retention. Select from a variety of form factors and durable flexible devices for achieving your Common Core requirements (Figure 1).

**Figure 1.** Infrastructure + Hardware + Software = Choice



### Converged Infrastructure

The Common Core classroom will be filled with digital tools – applications to support dynamic learning and manage student information, and content for teachers to leverage in their instruction. HP Converged Infrastructure provides the perfect foundation for serving up those applications and storing that data and content.

- HP ProLiant Gen8 servers lead the industry in reliability and performance, while requiring less hands-on management from IT resources, assuring delivery of education-critical IT assets.
- HP 3PAR StoreServ storage provides enterprise grade, multi-tiered storage at midrange prices – perfect for schools and districts deploying Common Core.
- HP's FlexNetwork architecture is the fabric of our converged infrastructure, seamlessly connecting school users, applications and data.



### Private cloud computing in education:

A cost-effective and flexible way to share computing resources from a central location:

- 46% of K12 districts leverage shared servers and 37% leverage shared data centers.<sup>1</sup>
- 43% of K12 IT professionals report cloud computing as a major area of modernization.<sup>1</sup>
- 25% are already moving forward with cloud adoption.<sup>1</sup>
- 23% are in the early stages of adoption.<sup>1</sup>

<sup>1</sup>Source: Center For Digital Education, 2013 Education Technology Market Watch.

<sup>2</sup>Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel® 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

<sup>3</sup>Some functionality of this technology, such as Intel® Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Microsoft Windows required.

<sup>4</sup>Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See <http://www.microsoft.com>.

<sup>5</sup>3G and 4G are optional, add-on features. WWAN use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors.

<sup>6</sup>Internet access is required and is not included.

<sup>7</sup>The integrated display resolution of this system is below the threshold for snapping apps, a new feature that allows two Windows apps to be viewed simultaneously side by side. This feature may be enabled by attaching an external display which supports a screen resolution of 1366 x 768 or higher.

### Cloud computing for schools and districts

Over 50% of education IT professionals say they need to make significant investments in server and storage environments.<sup>1</sup> This figure is expected to grow as more and more schools increase their use of student devices along with their wireless infrastructure. Whether it's online digital assessments, curriculum, content or learning tools, Cloud computing provides a cost-effective and flexible way to share computing resources throughout a classroom, a school building or an entire district. HP is ready to help maximize your investment in Cloud. From LAN and wireless infrastructure to storage and cloud-based solutions like Microsoft Office 365, as well as Chrome and Google Apps, HP is well-suited to support your school's initiatives.

### Networking

The most strategic investment your school district can make in the near term is in the network. Whether it's delivering educational content and rich media, helping students learn 21st Century research skills, or connecting teachers with parents through email and classroom Web pages, a high-performance network is critical. With HP Networking Solutions as a cornerstone, school districts can lower total cost of ownership (TCO), while improving their operational agility with more secure, high-performance connectivity.

- The HP FlexNetwork architecture drives simplicity through streamlined network designs and centralized management.
- HP network switches provide cost-effective, scalable solutions with Flexible 10 Gbps Ethernet connectivity.
- HP products integrate both wired and wireless networks into an open and standards-based solution.
- HP lifetime warranty 2.0 offers hardware warranty replacement for as long as you own the product, with next business-day advance replacement available in most countries and 3 year 24x7 phone support.

### Notebooks

**HP ProBook and EliteBook Notebook PCs** with Windows 8 offer the performance, multimedia tools, and security students need.<sup>4</sup>

- Tackle large projects, collaborate with classmates, and learn from home or on the go with a powerful fast processor and large hard drive.
- Take technology anywhere with lightweight design, spill resistant keyboard, and HP 3D Driveguard.
- Create a video, burn DVDs, or watch movies with SRS Premium Sound, whether connected wirelessly, using Ethernet, USB, or HDMI.

**The HP EliteBook Revolve Notebook PC** elegantly transforms into a tablet for full-performance learning on the go. Students can twist and fold the notebook's display into a tablet and back again, all while taking full advantage of software designed for touchscreen usage.

- Powered by Intel® Core™ vPro™ Processors,<sup>2,3</sup> the HP EliteBook is optimized for Windows 8 Touch.<sup>4</sup>
- Enterprise docking lets you easily connect to displays, printers and other peripherals.
- Premium materials like scratch-resistant Corning® Gorilla® Glass and an all-magnesium chassis are designed to excel in the field.

### Network-centric computing

Boost student and staff productivity at a great value with the HP Chromebook 11. Quickly access online content and automatically updated apps, thanks to the light and mobile 3G HP Chromebook.<sup>5</sup> It's one of the thinnest Chromebooks available.

- **View from almost any angle:** Collaborate on an 11-inch diagonal wide viewing angle display with IPS technology.
- **Mobility matters:** Stay productive with fast start-up, browsing and online tools.
- **Keep in touch:** Make eye contact with the integrated web cam on the HP Chromebook 11 for real time, face to face collaboration with classmates.<sup>6</sup>
- **Easy to deploy and manage:** Easily deploy, manage, and track all your Chromebooks with the Google's education management console.

### Tablets

The HP ElitePad<sup>7</sup> takes your students to the next level of learning freedom. Lightweight and powerful, and built with a sturdy Gorilla™ Glass multi-touch display, they can access everything from collaboration, productivity, and learning tools to messages and calendars, all at the touch of a finger.



### HP Officejet and LaserJet printers:

Create dynamic classroom materials on a tight budget without sacrificing other teaching tools:

- Cost effective
- Increase productivity
- Advance security
- Control costs

<sup>5</sup>3G and 4G are optional, add-on features. WWAN use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors.

<sup>8</sup>Wireless access point and internet access required. Availability of public wireless access points limited.

<sup>9</sup>For service beyond the 2 year free monthly data period, T-Mobile data rates apply. Service starts on date of hardware purchase and is not available everywhere. Data connection speed can vary due to location, environment, network conditions, and other factors. See coverage details at <http://www.T-Mobile.com>. Use or activation of service is your agreement to T-Mobile's Terms and Conditions. Available on select SKUs in U.S. only.

<sup>10</sup>Comparison based on manufacturers published specifications of fastest available color mode (as of August 2013) and includes color laser MFPs <\$1000 USD and color laser printers <\$800 USD available August 2013 based on market share as reported by IDC as of Q2 2013 and HP internal testing of printer in fastest available color mode (sample 4-page category documents tested from ISO 24734). For more information, see <http://www.hp.com/go/printerclaims>.

<sup>11</sup>Cost per page (CPP) claim is based on the majority of color laser MFPs <\$1000 USD and color laser printers <\$800 USD as of August 2013, ISO yield based on continuous printing in default mode based on market share as reported by IDC as of Q2 2013. CPP comparisons for laser supplies are based on published specifications of the manufacturers' highest capacity cartridges. CPP based on HP 970XL/971XL ink cartridges estimated street price. For more information, see <http://www.hp.com/go/learnaboutesupplies>.

- Help students look their best whether doing a presentation or collaborating with classmates, with true to life video meetings using the 1080P front camera.
- Keep learners on top of school work with the performance they need on the go, in a compact profile that won't overload their backpacks.
- Connect to the Web with embedded WiFi<sup>8</sup> and 3G<sup>5</sup> capacity, or optional 4G. Plus, get free 4G<sup>5</sup> for your first 2 years.<sup>9</sup>
- Customize to meet your educational needs – Choose from a complete suite of thoughtfully designed accessories; Case, Expansion Jacket, Security Jacket, Productivity Jacket, Adapters, Pen, Dock, and battery options.

### HP Printing for Education

Streamline the business of education with workgroup-ready HP LaserJet and Officejet printers. Produce thousands of pages of classroom materials, reports, and records quickly and easily with a wireless-enabled color multi-function printer. Mobile-enabled HP LaserJet MFPs let your teachers and staff print directly from their tablet or smartphone with the security of a peer-to-peer connection. Plus, HP Officejet printers, like the HP Officejet Pro X-series printers and MFPs with HP PageWide Technology, are ideal for creating dynamic classroom materials—in vivid color and at up to twice the speed<sup>10</sup> and half the cost per page<sup>11</sup> of color laser printers.

- Mix and match your printer fleet depending on usage, volume, and office or classroom environment.
- Cost effectively produce lesson plans, tests, reports and more with sharp, laser-quality black text.
- Increase productivity with versatile scan, fax, and copy options.
- Advance security features help protect information privacy.
- Reduce paper usage with automatic two-sided printing.

### Accessories for special needs

Common Core standards include mandates for accessories that districts must provide during testing. For example, some students must have access to physical keyboards, mice, and even styluses for math portions of the assessment. Students with certain accessibility challenges may need access to larger screens, different inputs or different devices. HP provides a full suite of accessories for desktop, notebook, and mobile computing that meet Common Core requirements and are certified to work seamlessly with your HP equipment.

### Classroom management

HP Classroom Manager offers educational institutions the functionality and tools necessary to help redefine the digital classroom for higher student achievement. With HP Classroom Manager, the teacher can view student screens real-time to monitor activity, lock out or black out PCs individually, as a group, or the entire class, and exchange messages, questions, and answers with individual students. Teachers can also authorize or prohibit website access for the class, and manage access to printers and other connected devices.

### Professional development

HP Planning and Professional Development can help teachers and districts achieve Common Core goals with project-based, student-centered, technology-rich lesson plans. HP experts facilitate benchmarking and integrate technology, curriculum, and instructional plans for creating 3-5 year rolling plans. Current and former instructional technology leaders provide more than 250 hours of instructor-led, onsite, and virtual learning for teachers and administrators. Educators can enhance teaching and engage students with curriculum integration ideas and technology training.

### Support and maintenance

Save time and money in support and repair by equipping your IT team with HP knowledge and resources. HP's Self Maintainer program gives qualified customers a low-cost option for managing their own HP warranty services.

- Take advantage of your existing IT infrastructure and capabilities.
- Access HP expertise to resolve most common issues.
- Coordinate warranty repairs online through HP's internal systems.
- Receive dedicated support, discounts on non-warranty part purchases, and even qualified labor reimbursements.



### Contact HP today

Call us at  
**1-800-88-TEACH**

Visit us on the Web  
**[hp.com/go/k12](http://hp.com/go/k12)**

### Make HP your Common Core partner

Common Core is on its way and HP can help you prepare. We have made vast investments in understanding Common Core requirements, technology integration, online learning, and professional development, all aimed at helping our customers equip students for the new world of learning and work. Explore HP products, services, and resources, get inspired about Common Core's potential for your schools, then contact HP for top-tier advice and assistance for making your school Common Core ready.

### Resources

HP's education solution programs are a holistic approach to supporting the long-term goals of K12 schools to enable achievement. In addition, Intel® Teach Elements courses are free, online, just-in-time, professional development courses where teachers of all subjects can learn to engage students with digital learning, digital content, Web 2.0, social networking, and online tools and resources.

**[Digital Learning Environments Web-site](#)**

**[Digital Learning blog](#)**

**[Digital Learning newsletters](#)**

**[Intel Teach Elements Courses](#)**

**[Intel Educator Community](#)**

**[Project RED](#)**

**[Tech & Learning](#)**

**[HP Desktops](#)**

**[HP Notebooks](#)**

**[HP Tablets](#)**

**[HP Printers](#)**

**[HP Chromebooks](#)**

**[HP Networking](#)**

**[HP Storage](#)**

**[HP Servers](#)**

**[HP Classroom Management](#)**

**[HP Professional Development](#)**

**[HP Self Maintainer Program](#)**

**Sign up for updates**  
**[hp.com/go/getupdated](http://hp.com/go/getupdated)**



Share with colleagues



Rate this document

© Copyright 2013 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Core and Xeon are trademarks of Intel Corporation in the U.S. and other countries. All other trademarks are the property of their respective owners.  
4AA4-9863ENUS, November 2013

