



Create Pervasive, Interactive Learning Environments Campuswide by Connecting Students, Faculty, and Administrative Staff to Information and Resources

Now, you can extend the reach of your wired IP network securely to virtually every corner in every school. By deploying Cisco® Mobility and Wireless Solutions for Schools, your district can bring the network to locations where traditional wired connections cannot reach—and do it easily and cost-effectively. These flexible solutions enable you to:

- Give students, teachers, and administrators highly secure access to network resources—anytime, anywhere
- Overcome geographic and structural barriers that prevent wired network deployment
- Avoid the expense of having to hardwire and retrofit older buildings

Cisco Mobility and Wireless Solutions for Schools give students and staff the freedom to be anywhere on campus and still perform all the tasks they would normally do on a classroom's wired network. The solutions enable new network connections to PCs, laptops, PDAs, printers, video cameras, videoconferencing units, IP phones, and other devices, making school resources more widely available and improving collaboration among students, teachers, parents, and administrators.

Increase Information Access, Safety, and Savings

Wireless Enhances Florida School District's Administrative and Classroom Services

To improve staff productivity and faculty satisfaction, Central Florida's Osceola County School District provided teachers with laptops and launched a new online software suite, which automated grading and attendance systems. The district also decided that a WLAN would allow teachers to be mobile and online simultaneously. Osceola County turned to Cisco for this technology. The school district deployed Cisco wireless access points to most of its schools. Osceola County's 2,500 faculty members now enjoy easy, highly secure, unfettered access to grading and attendance applications, and they can work from almost anywhere on the campus. Reports show improved faculty efficiency, productivity, and job satisfaction. Moreover, the school district is well-positioned to significantly expand its wireless network for other applications. Faculty and staff are already using wireless technology to enhance student instruction, deliver multimedia content, provide controlled access to the Internet, and enable affordable voice communications.

"We're definitely committed to wireless technology and what it can do for us. We see the possibilities for our wireless network as practically endless."

Rosalind Riser, Director of Media and Instructional Technology
Osceola County School District

Extend Access to Resources, Content, and More

With Cisco Mobility and Wireless Solutions for Schools, you can bring your IP network to more users throughout your district and give them greater mobility, flexibility, and convenience. For example, you can:

- Deploy new teaching tools and enable a completely wireless classroom in which students and teachers can use laptops, handheld tablets, and/or PDAs for curriculum and instruction
- Allow teachers to manage grades, homework, and other information from anywhere on campus
- Enable distance-learning environments, whereby students can attend classes at schools around the world—just by using their laptop and a connected portable video camera
- Gain the flexibility of bringing the computer lab to the classroom to support instruction when you need it, rather than having to schedule specific times to move your class to the lab
- Expose students to an enhanced curriculum, as wireless allows access to educational materials anywhere on campus and provides an overall platform for learning anywhere in and around the school
- Promote communication among teachers and administrators through integrated IP voice services, which enable phone services anywhere on campus (from a wireless IP phone)
- Support wireless PDAs, which can assist in teaching and evaluation, tracking student location, and identifying unknown persons on campus
- Increase physical safety for students and faculty by deploying wireless surveillance cameras anywhere in a school or district, especially in areas where wires are difficult to install, such as gyms or athletic fields

Arizona High School Replaces Textbooks with Laptops

Empire High School in the Vail School District of Tucson, Arizona, has 330 students and 37 teachers and staff members. The school's administrators were seeking to find an alternative to purchasing time-sensitive textbooks, to differentiate their high school from others in the district, to engage students in the learning process, and to create an educational environment that more closely resembled the outside world. Working with Cisco, Empire High School deployed a Cisco Unified Wireless network to provide complete, highly protected coverage campuswide. It also implemented Cisco Unified Communications for Schools to improve contact between parents, teachers, and students. Finally, the district bought 330 Apple iBooks to loan to the students for the entire year. Since no textbooks were purchased, the school directed those funds toward the laptop expense. Now, students and teachers enjoy a connected, interactive environment that greatly facilitates education delivery and retention.

Create a Secure Mobile Environment

The solutions use the Cisco Self-Defending Network to provide layers of built-in, airtight security, extending from your wired to your wireless network. It helps stop internal and external threats, unauthorized users, malicious attacks on your data servers, and unwanted viruses that can bring down your entire network. The system helps protect your users, data, and bandwidth through powerful, integrated security features including:

- Virus protection
- Intrusion detection
- Recognition of rogue, unauthorized access points and users
- Dynamic encryption of all data traffic

“We were able to leverage a great deal of future expense into building the solution right from the start. And that will be a huge cost savings for us going forward in our new schools. We will be able to support wireless and voice over IP at other schools, using the technology that we put in place here.”

Matt Federoff, Director of Technology
Vail School District

Enjoy the Cost Savings of Wireless

With Cisco Mobility and Wireless Solutions for Schools, you can easily extend network access to older buildings or temporary structures, enabling you to save money by:

- Eliminating wiring within and between buildings, portable classrooms, and remote sites
- Connecting schools up to 25 miles apart without expensive leased lines
- Deploying only a few wireless access points for mobile carts and extended wireless network coverage areas, instead of dozens of wired access ports for individual PCs
- Avoiding expensive, potentially hazardous building retrofit cabling work
- Taking full advantage of the investment you have already made in wired network technology

Ensure Quick and Easy Deployment

Cisco Mobility and Wireless Solutions for Schools are flexible and support many of your initiatives, including new or temporary classrooms, outdoor solutions in common areas, and administrative office support for wireless applications like student monitoring. Cisco Mobility and Wireless Solutions for Schools include:

- Hotspot wireless solutions: Deploy hotspot wireless quickly and easily in small areas like libraries or main offices, allowing administrators to take advantage of wireless applications and giving students access to the Web and other learning tools. By setting up a WLAN with robust security, you can grant selective Web access to students and help ensure they use the Internet only for productive purposes. You can also help ensure cyber security to keep your students safe. Meanwhile, administrators and teachers can access internal administrative tools and enjoy full privileges on the same wireless network.
- Wireless bridging solutions: Connect remote sites to the LAN regardless of physical obstacles such as lakes or highways by using wireless bridges—a quick and cost-effective solution that eliminates costly wire runs. Using wireless bridges, you can avoid leased-line fees and extend a high-bandwidth network to temporary classrooms, maintenance buildings, and even athletic facilities.
- Schoolwide wireless solutions: Offer a complete wireless umbrella for students, teachers, and faculty to have access to tools and resources anywhere on campus. Provide the foundation for programs such as one-to-one computing, schoolwide video solutions, and applications like wireless bells, speakers, and clocks. Essentially, all applications or services that require a network connection can now run without wires.

Find Out More

Cisco will work with you to transform your school campuses into dynamic instructional environments that enable students, faculty, and staff to stay continuously connected to vital resources. For more information about how to elevate the academic experience districtwide, call a Cisco representative or Cisco Certified Partner. Or visit:

<http://www.cisco.com/go/education>



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