Deliver new ways of learning, teaching and building campus communities.

Find out how modernizing your network can create new opportunities throughout your campus.

Imagine the exciting opportunities that come to life when you prioritize enhancing your network.

Envision students embarking on virtual adventures to the moon or exploring the intricate world inside molecules, all thanks to captivating virtual reality experiences. See engineering students diving into hands-on experiments, testing autonomous vehicles in a secure yet realistic setting. And picture football fans immersing themselves in the game like never before with Verizon 5G Multi-View, which provides an unforgettable viewing experience from any seat.

These are just some of the amazing possibilities that await K–12 schools and higher-education institutions with an upgraded network. Whether it's leveraging cutting-edge technologies to make lessons more engaging or tailoring learning experiences to each student's unique needs, a robust network foundation is essential for creating a safe and interactive learning environment.

Let's dive deeper into the challenges that educational institutions face and discover how Verizon networking solutions can truly have a meaningful effect on you and your students.

Digital equity

Challenges

• Students need regular access to online applications at school as well as secure devices, such as laptops and tablets.

• Students without reliable home internet access have more trouble keeping up with homework than those who have good access, contributing to a "homework gap."

• Many schools struggle with inadequate security and service quality while trying to provide the bandwidth for online activities, including hybrid learning.

Solutions

• Verizon Private Wireless Network

• 5G/4G LTE Business Internet

• Distance learning solution

• Webex by Cisco

Results

• With Private Wireless Network, campuses can provide the consistent and reliable connectivity students expect, whether they're in a dorm room, in a classroom or on the campus green.

• 5G/4G LTE Business Internet provides reliable, flexible internet services that can be deployed quickly for permanent or temporary locations to connect remote students or faculty to campus.

• Through our distance learning solution, schools can address digital equity and the homework gap and provide more secure devices and internet connectivity to their students for hybrid learning.

• Through network improvements and high-quality videoconferencing solutions such as Webex by Cisco, schools are able to deliver a better distance education experience.

Personalized student learning

Challenges

• Students come from different backgrounds, learn at different paces and may have widely divergent learning styles.

• Especially at the higher-education level, students may have complicated schedules and be coming from distant locations.

• Higher-ed campuses—and in some states, even K–12 schools—need to compete for enrollment.

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Solutions

- 5G/4G LTE Business Internet
- Verizon connected campus portfolio
- Network as a Service (NaaS) Solutions
- Verizon Private Wireless Network
- Verizon and partner Internet of Things (IoT) solutions

Results

- Schools can provide synchronous/asynchronous and online/in-person learning options that accommodate students' diverse needs and can help schools grow enrollment.
- Robust networks can support the data analytics that help teachers deliver better-aligned, more personalized learning plans.
- Schools can provide immersive learning experiences via augmented reality/virtual reality (AR/VR) to help students better grasp difficult concepts and embrace learning.
- More agile networks position schools to continue to adopt next-generation technology to satisfy student demands.

Secure schools, secure campus

Challenges

- Schools and universities hold sensitive data, including student identity records, personnel records and, in the case of universities, sometimes research information.
- The rate of ransomware attacks within the education sector has increased dramatically since 2021, with ransomware accounting for approximately 30% of malware infections, according to the Verizon "2023 Data Breach Investigations Report" (DBIR).[1]
- K–12 schools face the additional burden of needing to keep their students safe from inappropriate websites and online predators as well as complying with the Children's Online Privacy Protection Act (COPPA) and the Family Educational Rights and Privacy Act (FERPA).
- Schools need to keep students, staff and property safe from crime, vandalism and hazards.

Solutions

- Verizon Advanced Secure Access Service Edge (SASE)
- Cybersecurity vulnerability assessments
- DDoS Shield
- Verizon Threat Research Advisory Center
- Rapid Response Retainer
- Managed Security Services
- Verizon Intelligent Video, Verizon Intelligent Lighting and partner solutions

Results

- Educational institutions are able to decrease the risk of cyberattacks, keeping networks running smoothly.
- Schools are positioned to quickly manage any breaches that may occur.
- Young students are able to use technology more safely, using solutions that help promote compliance with COPPA and FERPA.
- Schools can help avoid the expense and reputational risk associated with a cyberattack.
- Educational institutions are better positioned to cope with physical threats to their campus.

Enhanced student and fan experience

Challenges

- Increasing demand for engaging experiences enhanced by AR, with the connectivity to make them seamless and fast, whether posting to social media or for ordering food and merchandise
- Crowd management to ensure a safe and exciting experience

Solutions

- Verizon connected campus portfolio
- Verizon 5G Edge Crowd Analytics
- NaaS Solutions
- Verizon Private Wireless Network
- Professional Services
- Verizon partner solutions

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Results

- The Verizon 5G Multi-View experience enables fans to view multiple simultaneous camera angles and AR overlays on 5G-enabled phones.
- 5G Ultra Wideband (UWB)[2] and 5G Edge Crowd Analytics can provide real-time monitoring to improve the flow of people and help keep attendees safe.
- The massive capacity of 5G UWB can allow for more mobile devices working in the same place at the same time.
- The super fast, real-time multiview experience provides an exciting immersive venue experience.

How Verizon can help make it happen

A network designed to extend capabilities and enable reliable, consistent and secure connections across institutions can help improve engagement in education and build flexible, immersive environments for digitally connected students. We put forward the best network and innovative technology to help you optimize your performance so you can spend less time focusing on tech issues. Our award-winning service and support can provide your institutions with world-class IT infrastructure and the peace of mind of knowing that you have reliable service.

You'll get help navigating emerging changes. As your partner, we'll put our specialized public sector knowledge to use to help ensure that your teams have the right technology to achieve their objectives. We can help you guide your institution to find the right solutions to transform the current network into one capable of securely delivering the next-gen experiences students, staff and faculty need. Solutions and services to consider include:

- **5G Edge Crowd Analytics.** With 5G Edge Crowd Analytics, you can gain the insights needed to help improve efficiency and safety at school concerts, large assemblies and sporting events.
- **Webex by Cisco.** This videoconferencing platform helps keep students engaged with HD-quality video, chat features, whiteboard capabilities, closed captioning and transcription, and tools to capture discussion points and create highlights.
- **Cybersecurity vulnerability assessments.** Get an assessment of your organization's security posture with tailored recommendations to help you develop a solid defense strategy against cybercrime.
- **DDoS Shield.** Our cloud-based, carrier-agnostic distributed-denial-of-service (DDoS) detection and protection solution helps protect education institutions from cyberattacks.

- **Distance learning solution.** This solution provides reliable, secure connectivity to help connect students, parents and school staff.
- **Verizon Private Wireless Network.** Add 4G/5G UWB small cells and related capabilities to an on-site deployment for a custom-designed private network that has the range and scale to handle data-centric tasks such as artificial intelligence and machine learning (AI/ML), real-time analytics, and AR/VR.
- **Rapid Response Retainer.** Gain access to expertise and tools to help you mitigate cybersecurity risk, augment your security personnel and control the costs of incident response.
- **Verizon Advanced SASE.** Our universally distributed, identity-centric networking and security platform helps ensure that end users and devices—across locations—are securely connected.
- **Verizon and partner IoT solutions.** These solutions can enhance safety, efficiency and the student experience; for instance, our remote smart surveillance can gather and analyze video data to help you quickly make decisions that help safeguard your campus.
- **Verizon connected campus solutions.** Our portfolio of solutions includes network infrastructure (5G/4G LTE, multi-access edge computing [MEC] and NaaS), security solutions, managed and professional services, and IoT to support personalized learning, safety, enhanced student experiences and improved campus operations.
- **Verizon Intelligent Lighting.** Essential lighting helps increase safety on campus while reducing energy and maintenance costs.
- **Verizon Intelligent Video.** Edge analytics enables real-time awareness with proactive alerts and notifications to help keep a campus safe.
- **Managed Security Services.** We can assist in integrating an end-to-end security program by helping identify your vulnerabilities and designing a cybersecurity strategy to address them.
- **NaaS Solutions.** Our flexible, programmable, scalable and reliable foundation can help support the delivery of dynamic applications and services while enabling advanced technologies such as 5G, MEC, AI/ML and AR/VR. The as-a-service model allows you to provide an up-to-date network while controlling capital expenditures.
- **Professional Services.** Our technical expertise, oversight and guidance can help K–12 schools and universities build their networks to meet the needs of today and tomorrow.

Let's get started today.

Contact a Verizon Government Account Manager to find out how you can upgrade your network to securely deliver the experiences your students need today and tomorrow.

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1 "2023 Data Breach Investigations Report," Verizon, June 2023. https://www.verizon.com/business/resources/reports/dbir

2 5G Ultra Wideband available in select areas.