

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

See how modernizing your network can create new opportunities throughout your campus.



Making network improvements may not sound revolutionary, but imagine these possibilities:

Middle school students travel to the moon—or the inside of a molecule—with virtual reality apps. Engineering undergrads test autonomous vehicles in a controlled but realistic proving ground. And football fans find there are no bad seats with Verizon 5G Multi-View Experience.

These are some of the outcomes that could be achieved at K-12 schools and higher education institutions with a modernized network. A better network can help you deliver innovative ways of teaching, drive efficiencies and tighten security to reduce the risk of cyberattacks.

Let's take a closer look at some challenges educational institutions face and how Verizon networking solutions can make a difference.

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, creating a “homework gap”
- Many schools struggle with inadequate security and service quality while trying to provide the bandwidth for online activities, including hybrid learning



Solution

- On Site LTE/5G
- LTE/5G Business Internet
- Distance Learning solution
- BlueJeans by Verizon



Results

- With On Site LTE/5G, campuses can provide the always-available connectivity students expect, whether they're in a dorm room, in a classroom or on the campus green
- LTE/5G 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 video conferencing solutions such as BlueJeans by Verizon, 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



Solution

- LTE/5G Business Internet
- Verizon Connected Campus portfolio
- Verizon Network as a Service (NaaS)
- On Site LTE/5G
- Verizon and partner 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-gen tech to satisfy student demands



Solution

- Verizon Advanced Secure Access Service Edge (SASE)
- Cybersecurity Vulnerability Assessments
- DDoS Shield
- Verizon Threat Research Advisory Center
- Rapid Response Retainer
- Verizon 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

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, with ransomware accounting for approximately 30% of malware infections, according to the 2022 Verizon 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, and 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



Challenges

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



Solution

- Verizon Connected Campus portfolio
- 5G Edge Crowd Analytics
- NaaS
- On Site LTE/5G
- Verizon Professional Services
- Verizon partner solutions





Results

- Verizon 5G Multi-View enables fans to view multiple simultaneous camera angles and AR overlays on 5G-enabled phones
- 5G Ultra Wideband (UWB)² and 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
- Super fast, real-time multiview experience for an exciting immersive venue experience

How Verizon can help make it happen

Verizon offers a variety of technology solutions designed to help put students, faculty and guests first. Our technology can help your campus enhance education and research; improve safety; ease congestion; foster digital equity; and improve student, faculty, fan and visitor experiences.

We can guide customers to the right solutions to transform their 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 insights needed to help improve efficiency and safety at school concerts, large assemblies and sporting events
- **BlueJeans by Verizon.** A videoconferencing platform that 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.** An assessment of your organization's security posture with tailored recommendations to help you develop a solid defense strategy against cybercrime
- **DDoS Shield.** A cloud-based, carrier-agnostic distributed-denial-of-service (DDoS) detection and protection solution
- **Distance Learning solution.** A solution that provides reliable, secure connectivity to help connect students, parents and school staff

- **On Site LTE/5G.** Adds 4G/5G UWB small cells and related capabilities to an On Site LTE deployment for a custom-designed private network that has the range and scale to handle data-centric tasks like artificial intelligence and machine learning (AI/ML), real-time analytics and AR/VR
- **Rapid Response Retainer.** Expertise and tools to help you mitigate cybersecurity risk, augment your security personnel and control the costs of incident response
- **Verizon Advanced SASE.** A universally distributed, identity-centric networking and security platform that helps ensure that end users and devices—across all locations—are securely connected
- **Verizon and partner IoT solutions.** Solutions that 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.** A portfolio of solutions that includes network infrastructure (4G/5G, 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.** Helps provide essential lighting for increased 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
- **Verizon Managed Security Services.** Assistance in integrating an end-to-end security program by helping identify your vulnerabilities and designing a cybersecurity strategy to address them
- **Verizon NaaS.** A flexible, programmable, scalable and reliable foundation to help support the delivery of dynamic applications and services while enabling advanced technologies such as 5G, MEC,³ AI/ML, AR/VR and more. The as-a-service model allows you to provide an up-to-date network while controlling capex costs
- **Verizon Professional Services.** Technical expertise, oversight and guidance to help K-12 schools and universities build their networks to meet the needs of today and tomorrow



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.

¹ 2022 Data Breach Investigations Report, Verizon.

² 5G Ultra Wideband available in select areas.

³ MEC coming soon for public sector customers.