Case Study

Schools Implement Advanced Technology to Support Growing Student Populations and Increasing Educational Needs

Secured network solutions

To ensure students can maximize the benefit of their educational experiences, learning institutions from independent school districts to colleges and universities must continually upgrade their systems. Unfortunately, too often these one-off, one-area enhancements leave IT struggling to manage a variety of disparate systems.

We work with schools to design and implement holistic solutions that are highly integrated, secure, and cost-effective. In doing so, we help them:

Increase system-wide technology visibility

Improve security capability and mitigate risk

Enhance collaboration capabilities

Boost operational efficiency and manage costs

Align student/staff needs with technology investments

Streamline and automate system management to reduce IT strain

Expertise across the network solution stack

- Network access (wired/wireless)
- SDN, SD-WAN, SDA
- Network visibility for access and security
- Endpoint protection
- Behavioral systems
- Physical layer components (cabling/copper/fiber solutions)

Assisting education entities as they leverage advanced solutions to further their mission

One of the nation's 20 largest school districts updates technology to benefit its 150,000+ students

- Refreshed routing/switching core, access, and distribution infrastructures
- Upgraded wireless access and Cisco Prime® Infrastructure
- Increased speed and reliability in nearly 150 schools
- Completed all work in a compressed time frame of 16 weeks in 12-hour overnight windows

Texas ISD enhances infrastructure with more cost-effective and easily managed solution

- Replaced legacy equipment with cutting-edge solution
- Installed 2,225 APs across 25 sites
- Implemented 100% wireless AP coverage at each site with faster throughput
- Enabled annual savings on hardware warranty costs

One of the fastest-growing public research universities in the U.S. executes interruption-free infrastructure upgrade

- Replaced approximately 750 aging campus switches with state-of-the-art technology
- Upgraded nearly 70 campus sites
- Designed, configured, deployed, and tested systems, and removed old infrastructure
- Developed solutions that will meet the school's needs for 5+ years

Award-winning school district supports educational demands with new hardware and cabling

- Implemented advanced technology including 1,588 Cisco® switches, 1,785 wireless access points, 32,000 CommScope® data circuits, and 272 10GB 12-strand fiber pulls
- Upgraded 40+ campus sites with no interruption and met federal deadlines
- Increased network speed from 1GB to 10GB
- Developed network infrastructure that will provide excellent service for 10+ years

Empowering students and educators with support for the tools they need to succeed

Our consultants and engineers have extensive experience in network optimization and strategic integration that enables them to:

- Use an enterprise perspective to determine performance capabilities of LAN, WAN, and SD-WAN
- Recognize bottlenecks, equipment configuration problems, single points of failure, end-of-life situations, and end-of-support for hardware and software systems
- Deploy a variety of automated, industry-standard tools to conduct assessments in both wired and wireless environments
- Focus on mission-critical applications to safeguard against disruptions
- Provide continuous access while safeguarding data assets
- Manage ever-growing needs and number of devices from a single platform
- Design and implement network solutions that ensure overall security and accessibility

∷∴ Insight