The digital classroom of tomorrow promises an outstanding education. Is your network ready?

There are 3 major challenges IT Directors need to solve to support consistent, reliable connectivity to school networks for continuous access to digital resources.

1. **Broadband & Network Capacity**
   - The top priority for IT is Broadband and Network Capacity.
   - More devices are coming onto the network, stretching the limits of aging infrastructure. SETDA recommends 3000Mbps per 1000 Students by 2018.*
   - 63% expect their internet bandwidth demand to grow 50% or more within 3 years.*
   - 24% expect their internet bandwidth demand to DOUBLE within 3 years.*

2. **Student Data Privacy**
   - 49 of 50 US States had draft legislation or enacted laws around the need to protect student data.
   - A network is depended on to always be available to elevate the classroom experience for teachers and their students.
   - 63% of data breaches involved leveraging weak, default, or stolen passwords★
   - 43% of all data breaches are internal, of those, 51% are accidental★★

3. **Network Availability for Digital Learning**
   - A good network is no longer a nice to have.
   - A network is depended on to always be available to elevate the classroom experience for teachers and their students.
   - 90% of K-12 IT administrators expect their curricula to be at least 50% digital in the next 3 years★
   - 80% of schools cite institution-wide network but it is inadequate for burgeoning use of digital curriculum★

So how can you solve these challenges, and make sure your school district has the best network available?

- **Network Scaling**
  - Deploy a multi-gigabit network that scales without rip-and-replace costs
  - Provide the highest device density per Access Point.
  - Consider Cloud-managed Wi-Fi and avoid controller upgrades

- **Protect Student Data**
  - Examine your network and repositories to see where student data lives—whether it is on-premises, in the cloud, or on the fly
  - Implement secure device authentication and policy management.
  - Encrypt sensitive data, set-up firewall protection, and secure all-connections.

- **Network Availability**
  - Consider Cloud-managed Wi-Fi to reduce planned downtime interruptions
  - Build a future-proof network with upgradeable uplinks and flexible switch deployment options
  - Use a wireless network proven to support 1:1 video-based classroom learning

Ready to start elevating the classroom experience with grade-A Wi-Fi and edge switching solutions? Learn more from our Top 3 IT Priorities solution briefs, our white paper “The 5 Phases of Digital Learning Transition” and lots of case studies. ruckuswireless.com/solutions/primary-education.

*SETDA Broadband Imperative II, 2016
**Funds For Learning: 2017 E-Rate Trends Report
★★Internal Security Report "Grand Theft Data"
★SETDA 2016 IT Leadership Survey, CTO Priorities
***Learning-Centered Digital Education Strategic Survey and Assessment Tool 2016
Copyright © 2018 Ruckus Networks, an ARRIS company. All rights reserved.