

Lexington R-V / Lex La Ray Technical Center Protection of the Institution's Technical Infrastructure Plan

Purpose of this plan

The following plan Details the processes used by the Information Technology (IT) Department to ensure the privacy, safety, and security of data contained within the institution's networks.

Content Filtration

The Lexington R-V School District uses URL and content filtration to limit access to only relevant internet content. The content filtering software currently being used is from Smoothwall Corporation. Internet traffic is passed through a URL filter for monitoring and categorization.

Malicious Content Prevention

The Smoothwall Firewall and content filter provides an Intrusion Prevention System (IPS) and application inspection. The IPS prevents unauthorized access to school systems by identifying attacks based on multiple methods as they are happening. Application inspection allows network traffic to be inspected to identify application types, block unneeded applications, and limit risky applications to only proper uses.

Desktop User Rights Restriction

All district PCs will; unless granted an exception by the college administration, be restricted from software installation unless the local user has "instructor" or "teacher" rights. This helps to control what software is running on the schools network and helps to prevent malicious software installations.

Antivirus Software

The Lexington R-V School District maintains antivirus software for all PCs. The software is updated automatically and helps to control potential malicious programs from running on school computers.

Password Policy/Software Updates/AUP

The Lexington R-V School District computers, data, and networks are protected by user authentication using a username and password set. Passwords must be unique and meet specific standards. The school management system, student records, and staff financial records fall under these guidelines. Weekly, the institution's servers are reviewed for errors, updates, and/or corrections. Any problems regarding the school districts technical infrastructure are brought to the attention of the I.T. Director and district superintendent. All faculty members and staff sign a district technology usage policy upon hire. This policy is also included in the student handbook and reviewed once a year.

Network Reliability and Emergency Backup

Purpose of this plan

The following plan details the processes used by the Information Technology (IT) Department to ensure the computer system and network reliability for all technical services

UPS Battery Backups

All Lexington R-V School District buildings are equipped with UPS battery backups for servers, switches, phones and access points. In the event of an electrical surge, brownout, or disconnect, the UPS batteries will keep the systems running for a limited time

Network Reliability

Our internet provider, Bluebird networks offers a 99.99 percent uptime for internet services with redundant circuits available in the case of a catastrophic event. If, in the case of an internal network disruption, the Lexington R-V technology staff will immediately respond to the problem.

Annual Evaluation

This plan will be evaluated annually by staff and revised as necessary.