

LINDSEY HOPKINS TECHNICAL COLLEGE



Step up to Success

TECHNOLOGY PLAN

2023 - 2024

Executive Summary

The Educational Technology Plan for Lindsey Hopkins Technical College (LHTC), provides and supports the electronic tools and or equipment necessary to enhance the educational programs at the school. All employees and students at Lindsey Hopkins Technical College are expected to abide by the defined security policies; all LHTC leadership and staff share the responsibility of enforcing the security policies of Lindsey Hopkins Technical College. Activities to Achieve Objectives: The Miami-Dade County Public School IT department will:

- Ensure the privacy, safety and security of data contained within the network of the institution.
- Ensure the reliability, the computer systems and network.
- Ensure that there are emergency backups and contingency plans for all technical services, including servers and virtual server usage.
- Ensure the implementation and maintenance of the technology infrastructure, while facilitating its use in the classroom.
- Require the use of strong passwords.
- Monitor web and network traffic, the firewall, web filtering logs, and spam filter for anomalies.
- Follow formal security, data retention, and disaster recovery policies.
- Maintain a list of supported software and track installed applications.
- Schedule internally hosted automated remote patch installation on workstations and automated patch awareness on servers.
- Continue to monitor wireless networks and the current rogue tracking and containment process.

Oversight of network security is the responsibility of Mr. Supawat Jenugson, head of network infrastructure for LHTC. The privacy, safety and security of data plan are reviewed, evaluated, and revised as needed by the district with input from the designee and IT department. LHTC faculty, staff, and leadership must acknowledge receipt and review of the policy each school year.

Using M-DCPS guidelines from the Office of Internet Technology and the M-DCPS Technology Plan which follows the State of Florida Department of Education publication “Strategic Technology Plan 2014-2019”. This plan will accommodate the needs of the school by developing, maintaining, monitoring, and assessing all technological systems for reliable delivery and secure accesses. To achieve these outcomes the following is planned:

- The IT manager coordinates and collaborates with District guidelines and procedures on all updated standards for hardware, networking, and software implementations. The IT Department ensures that all safety, privacy, security protocols are being followed in a manner that maintains the reliability of our computer systems and networks.
- Maintain the computers and servers, including emergency backup servers, within the school facilities and classrooms according to District Standards.
- Support and help the students with personal computers for advanced on-line usage and troubleshooting.

- Repair, maintain and install all equipment related to technology (promethean boards, computers, laptops, iPads, networking infrastructure, and digital accessories)
- Maintain, coordinate, and establish protocols for software and application upgrades, auxiliary technology management from a variety of modernized systems specifically for the CTE, AGE Programs and the testing centers.
- To support industry certification of any Internet Technology program.
- Protect confidential information and records with security protocols as delineated by the MDCPS Office of Information Technology.

The following are State and Federal mandates concerning the technical usage and infrastructure of Academic Facilities as required by M-DCPS Information Technology District Guidelines:

- FLDOE Bureau of Educational Technology: <https://www.fldoe.org/about-us/division-of-technology-info-services/educational-technology/>
- Miami-Dade County Information Technology Services: <https://its.dadeschools.net/#!/rightColumn/1062>
- American Disabilities Act (ADA): <https://archive.ada.gov/racheck.pdf>

The current equipment and supplies available are:

Technical Equipment	QTY
LOCAL SERVERS (included metro west)	4
ITS SERVERS	3
COMPUTERS	966
LAPTOPS	130
BATTERY BACK UP UNITS	7
CCITOUCH	13
NEW PROMETHEAN BOARD	5
OLD PROMETHEAN BOARD	56
ITS NETWORK SWITCHES	30
ITS WIRELESS ACCESS POINTS	119

The leadership team evaluates the plan annually and revises as needed.

Technology Plan Committee

Dr. Nelmay Silva: Assistant Principal

Mr. Supawat Jenugson: Network Infrastructure Manager

Mr. Enrique Velez: Technology Support

Mr. James T. White: Media Center Specialist

Mr. John Karayan: Teacher