LINDSEY HOPKINS TECHNICAL COLLEGE

TECHNICAL INFRASTRUCTURE PLAN

2025 – 2026

Revised 8/13/2025

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Mission

The mission of Lindsey Hopkins Technical College is to empower students to achieve their career goals and to develop their ultimate potential.

Vision

Lindsey Hopkins Technical College will be a showcase institution. Our administration, faculty, and staff, united in purpose, will provide our student body with the most advanced career/technical and academic education.

Overview of Technical Infrastructure

Lindsey Hopkins Technical College has developed a comprehensive technical infrastructure plan aimed at ensuring the adequacy, maintenance, and continuous improvement of the institution's technological systems. The college is dedicated to safeguarding the integrity and security of data stored on its network while providing secure, reliable, and efficient network access for faculty, staff, and students.

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 of 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.

Technical Infrastructure Roles and Responsibilities

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.

Technical Infrastructure Operations and Maintenance

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, and 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.

Technology Standards and Compliance

The following are State and Federal mandates and district guidelines govern the use, implementation, and maintenance of technology infrastructure within Academic Facilities as required by M-DCPS Information Technology District Guidelines:

- Florida Department of Education (FLDOE), Bureau of Educational Technology: https://www.fldoe.org/about-us/division-of-technology-info-services/educational-technology/
- Miami-Dade County Public Schools Information Technology Services: https://its.dadeschools.net/#!/rightColumn/1062
- American with Disabilities Act (ADA) accessibility requirements: https://archive.ada.gov/racheck.pdf

Technical Infrastructure Resources and Inventory

The current equipment and supplies available are:

Technical Equipment	QTY
LOCAL SERVERS (including Metro West)	4
ITS SERVERS	3
COMPUTERS	976
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	160

Funding and District Support

The primary source of funding is provided by the school district, which also oversees the strategic direction and development of technological assets and modernization initiatives. Technicians maintain regular communication with the district's Office of Information Technology, adhere to the established Technology Plan, and serve as liaisons between Lindsey Hopkins Technical College and the District's Office of Information Technology.

Evaluation of Plan and Surveys

The technical infrastructure plan is available to administration, faculty, and staff. It is compiled, analyzed, and reviewed at the Educational Excellence School Advisory Council (EESAC), leadership team sessions, and faculty meetings. This ongoing review process supports the continuous evaluation and enhancement of program outcomes and ensures alignment with the institution's mission and goals.

The Technical Infrastructure plan is reviewed annually by the administration, faculty and staff during the Opening of Schools meeting. Following this review, a staff-wide survey is conducted to gather feedback. The survey results are then presented and discussed at the subsequent faculty meeting to inform any necessary revisions or improvements.