Overview

A technology plan for a school division should first and foremost be aligned with the division's mission. It must also address ongoing instructional and support needs, both in areas of current deficiencies and maintaining/improving current areas of excellence. This document will attempt to align with these goals for the next five years, providing a roadmap for success in technology at Lynchburg City Schools - "Every Child By Name And By Need To Graduation And Beyond."

Any technologist will tell you that the only thing that is 100% true about technology is that it is constantly evolving. The importance of adaptation when structuring a plan for technology is paramount to the success of that plan. The previous VDOE plan, 2017-2023, is a living document. This document strives to align with changes and ideologies in this state plan, while maintaining the flexibility to implement locale-specific strategies where necessary for the success of LCS students, faculty and staff.

This plan continues by addressing the following subsections:

- Learning (Enhance Personalized, Equitable Student Learning Experiences with Technology)
- Teaching (Support Innovative Professional Learning with Technology)
- Leadership (Create Cultures of Change through Innovative Leadership Practices)
- Infrastructure (Secure and Robust Infrastructure)
- Data Protection

Learning

Goal

Promote and support personalized learning experiences for students, preparing them for their futures (workplace, higher education), as responsible digital citizens.

Results (What do we want to accomplish?)
- Students at Lynchburg City Schools should have access to digital resources that expand opportunities for learning. This must begin with access to resources. By the end of 2028, every student at LCS should have an internet-capable device assigned to them that they can use to create, modify, and explore the digital landscape.

Indicators (What evidence will exist of completion?)
- LCS personal computing devices will be issued and checked out to students via our inventory management solution, even if the device remains at school

- Every school will have a minimum of 1 3D printer in the media center, with a greater objective of 1 per every 250 students.
- Every school will have a minimum of 1 makerspace kit per every 300 students.

Action (What action will be taken?)
- LCS will evaluate and purchase devices, along with appropriate professional learning for faculty and staff to improve implementation.

Teaching

Goal

Promote and support current and emerging technology-based resources that support educators in developing and employing innovative strategies and practices to support student-centric learning models to increase quality of education and equity for students.

Results (What do we want to accomplish?)
- Teachers will be able to confidently use technology in their classrooms such that it enables transformative learning experiences, rather than just being a replacement tool for paper and pencil. Teachers who have been afraid of technology will be comfortable with at least basic use in the classroom.

Indicators (What evidence will exist of completion?)
- Teachers will be able to answer at least a "5 - I feel confident using technology in my classroom" on the following Questionnaire:

  How comfortable are you using technology in your lessons?
  1 - Not comfortable at all
  3 - I am somewhat confident in using technology in my classroom
  5 - I feel confident using technology in my classroom
  7 - I use technology daily in my classroom
  10 - I hope to build new technologies for classroom use and teach coworkers

Action (What action will be taken?)
- The Information Technology Department will partner with Curriculum & Instruction to ensure that all teachers are receiving quality coaching on new technology tools.
- Appropriate professional development and purchases will be made to improve teacher understanding and use of new technologies, such as training on generative artificial intelligence

Leadership

Goal

Promote leadership that understands the importance of technology as tools for efficiency improvements and instructional supports for deeper learning for students and staff.

Results (What do we want to accomplish?)
- District leaders will be able to make informed decisions about technology in their purview. Additionally, they will be able to make well-considered recommendations along with their requests.

Indicators (What evidence will exist of completion?)
- Forms for requests for resources will now have strong justification from leadership
- Central office administration will be able to strongly use their existing tools to perform their functions. The number of HelpDesk requests for advanced reporting should go down as leaders are empowered to control their data and better understand their tools

Action (What action will be taken?)
- Leaders will receive site & tool specific training to help them better perform key parts of their job where technology can most effectively be leveraged

Infrastructure

Goal

Promote and support a secure and robust technology infrastructure to support access, adequacy, and equity.

Results (What do we want to accomplish?)
- A reliable network for students, faculty and staff with quick access to global resources and fast response to issues with internal resources.

Indicators (What evidence will exist of completion?)
- HelpDesk response times of initial response within 1 business days
- 99.999% uptime of network, phone, and internet services for the LCS Network

Action (What action will be taken?)
- Ensure updated division firewalls
- Improved PD and work resource assessments and workflows for the Technology Support teams
- Update all older hardware — network switches and routers, wireless system, and user endpoint devices

Data Protection

Goal

Ensure that student and employee data is as secure as possible.

Results (What do we want to accomplish?)
- LCS has a goal of zero data leaks and zero network intrusions

Indicators (What evidence will exist of completion?)
- Zero FERPA Violations
- Zero reports to the Virginia Cybercrimes department (required for pII leaks)

Action (What action will be taken?)
- Improved PD for existing employees-
  - The importance of data protection
  - Ways data can be leaked and protected
  - Reinforcement of what data needs to be protected
  - Improved PD on existing tools to avoid data mistakes
- Formation of a Data Governance Workgroup to review division data, data policies, and integrations with 3rd parties with whom LCS shares data