

Technology Services

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Technology Division Philosophy

Lyons Township High School District 204 recognizes that technology can be viewed as both a means and an end within an educational setting. As a means, it is a tool to accelerate teaching, learning, and working, enrich our experiences and augment our opportunities. As an end, we must learn how to use various technologies in order for us to be more effective, efficient, and creative, as well as ethical users of technology.

Through technology, Lyons Township High School provides access for students and staff to resources from around the world. Instructional and administrative technologies take students and staff beyond the confines of campuses thereby expanding the reach of the classroom; providing opportunities for enhancing, extending, and rethinking the teaching/learning process; and technology assists in preparing each student to be a technologically responsible and literate citizen.

Technology Services

Instructional Technology

- Technical Support
- Chromebook 1:1 Program for All Students
- ClassLink LaunchPad Application Dashboard
- 3 Business Education Labs
- 2 Graphic & Animation Labs
- 2 Networked Engineering/Design & Aviation Simulator Labs
- 1 Music Composition & Recording Lab
- 3 Publications & Broadcast Media Labs
- Canvas Learning Management System (LMS)
- Google Workspace for Education Plus for Online Personal Productivity & Collaboration tools
- Mastery Management Assessment System
- Infinite Campus Portal
- 2 Teacher / Staff Professional Development and Support Labs
- Internet access via the Illinois Century Network and the Western Springs Municipal and Educational Consortium

Administrative Technology

- VMware Virtualized Data Centers
- HPE/Nimble Data Storage Arrays
- Google Workspace for Education Plus for Online Personal Productivity & Collaboration tools
- Hosted VoIP solution (completing implementation SY24)
- Technical Support
- Infinite Campus Student Information System
- Human Resource Information System
- Financial Information System



Standards for Student Learning with Technology

Lyons Township High School has established Standards for Student Learning with Technology through a collaborative process that involved its students, faculty/staff, parents, and the community. These technology standards have been developed in order to set levels of student understanding and proficiency of technology and to provide departments and divisions a guide by which to incorporate technology into their programs, courses, and instruction. There are eight general technology standards, and each standard has additional specific standards which are available upon request.

- Standard I** Students will recognize the importance of information to a democratic society.
- Standard II** Students will practice ethical behavior with regard to information and information technology.
- Standard III** Students will participate effectively in groups to pursue and generate information.
- Standard IV** Students will pursue information related to personal interests.
- Standard V** Students will access information efficiently and effectively.
- Standard VI** Students will evaluate information critically and competently.
- Standard VII** Students will use information effectively and creatively.
- Standard VIII** Students will use technology to create and deliver information for a variety of audiences and a variety of purposes.

Business Labs

Three labs, most with more than 30 computers each, are located across the two campuses. The Business labs' computers are used to directly support teaching students the skills necessary to succeed in a technology rich world. For example, they are used for application programming, web development, INCubator and IOS app development. Microsoft products are the core of the Business Education program's suite of applications, though experiences with a variety of tools and technologies ensure LT students a well-rounded and relevant curriculum.

Graphics & Animation Labs

Each campus boasts a lab used for graphics applications. Each lab is used by teachers and students scheduled in art, graphics, and animation classes. All have access to a comprehensive set of graphics tools, such as color printers, digital cameras, scanners and software, including the Adobe Creative Cloud applications.

Engineering & Design and Aviation Labs

Labs dedicated to the Applied Technology specialties of Engineering & Design and Aviation are operated at both campuses. Students have access to AutoCAD and Flight Simulator, among an array of applications focused on these unique learning opportunities.

Publications and Broadcast Media Arts Labs

LT offers opportunities to learn about publication (newspaper, yearbook, etc.) and media arts (radio and television production and broadcasting) via a dedicated classroom at South Campus and a trio of specialized labs at North Campus. Industry-common and relevant applications provide students with real-world experience on solutions used in these professions.

Administrative Technology

Offices throughout both campuses have access to technology for tracking student and staff information, budgeting, purchasing and payroll, among myriad other tasks.

Internet

LTHS has access to the Internet via the Illinois Century Network and Western Springs Municipal and Educational Consortium. Each campus also has a complex system of main and intermediate distribution wiring centers that provide high speed access to every classroom, lab, and administrative office. Wireless access is available via district-owned devices, as well as guest-owned (LT-Guest) devices. This network provides student and staff access to real-time and up-to-the-minute experts, information, pictures, sounds, and news literally from around the world. Research databases and full text articles are readily available.

LT has a significant web presence. With pages dedicated to providing information about the District, school, and our academic, athletic, co-curricular and community programs, the LTHS website averages more than 65,000 visits each month from students, families, staff, the community and across the world. Beyond the website, LT provides students and parents with up-to-date information related to student progress via the Infinite Campus Portal.

Extra Help

The Student Chromebook and Staff Help Desks are open before and after school hours, in addition to during the school day, so students and staff have the opportunity to access technology when it is most convenient. Parents seeking assistance with the Infinite Campus Portal or Canvas are encouraged to contact the Student Chromebook Help Desk.

Staff Development Program

LT is always looking for new and better ways to ensure that the staff maintains a particular level of technical abilities. Two staff development centers were created to meet this need head on. These labs allow teachers to enhance their technology skills, more deeply embed technology into their curricula and instructional practices, and to experiment with software/hardware. These professional learning labs are supported by LT's Technology Enriched Curriculum (TEC) coaches.

1:1 Computing

LT launched a 1:1 computing program for all students at the beginning of the 2021-22 school year. Each student is provided a Chromebook and success to web-hosted applications to use in school and at home.

The 1:1 program at Lyons Township High School:

- Allows students to drive their own learning
- Engages students in the learning process
- Encourages and supports collaboration
- Requires critical thinking
- Fosters student creativity
- Creates global connections