LGSUHSD
Technology Update

Who We Are:

▷ Director of Technology: Julie Grenier

▷ Senior Computer Specialists: Larry Jens, Matt Lipford

▷ IT Techs: Tim Nielson, Dan Lam, Luis Contreras

▷ Theater Facilities: Ben Brotzman, Chrissie Schwanhausser

What We Do:

Support:

We provide staff, students, and parents with tech support through:

▷ On campus help desk, email & phone support
▷ Canvas Learning Management System (LMS)
▷ Google Workspace for Education
▷ Support Devices for students with special needs
▷ Remote public events and meetings
▷ Other content specific software

Connectivity:

We keep staff, students, & guests connected safely through:

▷ Wifi including Visitor Access Portal
▷ Network security tools
▷ Robust network backend
▷ Devices and hardware
▷ Remote connections
▷ Data and records systems
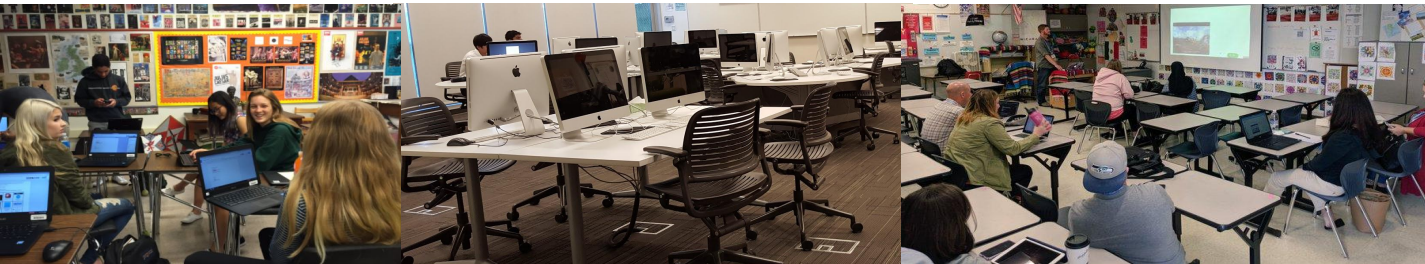
Responsibilities Include :

- Network connectivity (Wired and Wireless)
- Student device checkouts
- Software Licensing - Google, Adobe, Zoom
- Support dept specific software packages
- System security and training
- Hardware, wiring, servers
- Bells, clocks, and PA system
- Software automation and integration
- McAfee and LGHS theater facilities
- Board Meeting tech support

Recent Successes

- Districtwide Phone System Upgrade - Oct 2021

- Emergency Connectivity Fund Grant - 350 Chromebooks ($122,000)

- Increased security network measures and continued staff trainings. Staff has **96%** success rate avoiding phishing emails.

- Ongoing support for Building Projects

- Coming Soon! Network switch upgrade

YOU are a target! Cybercriminals are quite effective at getting what they want. They've learned that the easiest way around your organization's defenses isn't hacking and cracking, it's tricking you into letting them in.

DIGITAL ATTACKS

Phishing: Email-based social engineering targeting an organization.

Spear Phishing: Email-based social engineering targeting a specific person or role.

Stop, look, and think before you click that link or open that attachment.

IN-PERSON ATTACKS

USB Attacks: An attack that uses a thumb drive to install malware on your computer.

Tailgating: When a hacker bypasses physical access controls by following an authorized person inside.

Stop, look, and think before allowing someone in that you don't recognize or plugging any external media into your computer.

PHONE ATTACKS

Smishing: Text-based social engineering.

Vishing: Over-the-phone-based social engineering.

Stop, look, and think before you surrender confidential information or take action on an urgent request.

Social Engineering

Social engineering is the art of manipulating, influencing, or deceiving you into taking some action that isn't in your own best interest or in the best interest of your organization.

The goal of social engineers is to obtain your trust, then exploit that relationship to coax you into either divulging sensitive information about yourself or your organization or giving them access to your network.

Red Flags

Red flags are a sign of danger or a problem. They can be as subtle as an uneasy feeling or as obvious as an email about "suspicious charges" from a bank that you don't even have an account with.

Pay attention to these warning signs as they can alert you to a social engineering attack!

Technology
Plan 2022 -2026

Why do we need a plan?

- Allows for stakeholder input on district technology priorities - Technology Advisory Committee (TAC), community surveys, Citizens' Bond Oversight Committee (CBOC)

- Sets forth a roadmap for district technology projects for the next four to six years

- Spends the remainder of the technology bond focusing on needed and necessary upgrades

- Supports student and staff use of curricular technology

Technology Advisory Committee

Purpose: Evaluating the current status of the technology infrastructure and education technology systems in the district. This committee will provide advice on the district's technology goals and strategies including an update of the roadmap of the technology capital projects to be completed as part of the Measure E bond program.

Objective 1: Advise on the process and procedures for capital project expenditures related to EdTech and technology infrastructure based on identified needs or district initiatives.

Objective 2: Advise on the development of a multi-year strategic plan specific to technology hardware and infrastructure replacements and upgrades.

Objective 3: Identify and advise on trends in educational technology systems to maintain attainable and supportive educational technology system growth

2021-22 Technology Advisory Committee Members

Peter Hertan, LGSUHSD Board Member

Theresa Bond, LGSUHSD Board Member

Julie Grenier, Director of Technology

Matt Lipford, Senior Computer Specialist

Larry Jens, Senior Computer Specialist

Brian Thompson, SHS Asst. Principal

Craig Russell, Community Member

Eric Cao, Community Member

Darrell Miller, Community Member, SHS Foundation

Kathy Granger, LGHS Parent, Wildcat Foundation

Paddy Wong, SHS Parent

Aiden Ye, SHS Student

Ethan Zuo, SHS Student

Tanuj Siripurapu, SHS Student

Arman Dehkordi, LGHS Student

Aidan Dadgar, LGHS Student

Ryland Goldman, LGHS Student

Raquel Kirby, Classified Staff

Adam Minyard, LGHS Teacher

Mariam Fan, SHS Teacher, TOSA

Augustina Matsui, LGHS Teacher

Kristofer Orre, SHS Teacher, TOSA

Technology Plan Goals

Goal 1: Complete remaining projects identified by Technology Bond Committee in 2015 and complete other necessary infrastructure upgrades using the remaining Measure E Technology Funds.

Goal 2: Identify and remediate vulnerabilities in current technology department emergency, security, and disaster recovery plans and procedures.

Goal 3: Work with Curriculum and Instruction staff to identify and implement relevant educational technology systems and support student use of technology in the curriculum

Goal 1: Complete remaining projects identified by Technology Bond Committee in 2015 and complete other necessary infrastructure upgrades using the remaining Measure E Technology Funds.

- Replace network switches districtwide
- Replace battery backup devices to increase runtime due to power outages
- Complete classroom presentation system upgrades

"...ensure all students have access to up-to-date classrooms with updated classroom technology...provide and maintain up-to-date technology data and communication equipment... upgrade instructional technology in the classroom for improved student learning..."

Goal 2: Identify and remediate vulnerabilities in current technology department emergency, security, and disaster recovery plans and procedures.

- Internal audit of systems and administrative access
- Implementation of multifactor authentication for key systems
- Review and update emergency recovery plans
- Cybersecurity audit through our JPA
- Continued digital education for staff and students

Goal 3: Work with Curriculum and Instruction staff to identify and implement relevant educational technology systems and support student use of technology in the curriculum

- Support Canvas usage and norms as well other district initiatives such as Advisory, CAASPP, AP testing etc.
- Fully implement Student Bring your own Device Policy (BYOD)
- Streamline student and staff access to wifi network and district software platforms

Google Workspace for Education

Thank you!