

# 1:1 Teaching and Learning Program



# What is 1:1?

*Simply put:  
A device for every student*



# Why 1:1

***Our students are digital natives who use personal technology in almost every aspect of their lives. Education should not be an exception. We must prepare our students to live and work in a technology-driven world.***



*"To be effective in the 21st century, citizens and workers must be able to create, evaluate, and effectively utilize information, media, and technology."*

-Framework for 21st Century Learning



# History

1:1 @ LHS

A snapshot of the timeline and milestones  
for development of the 1:1 initiative at Lemont High School

Visual Timeline



# Committee Composition

- Faculty, Administrators, Information Technology, Board of Education
- All academic departments represented
- Utilized services of well-respected consulting firm Single Path



# 1:1 Faculty Technology Survey

## Fall 2015 Faculty/Staff Survey

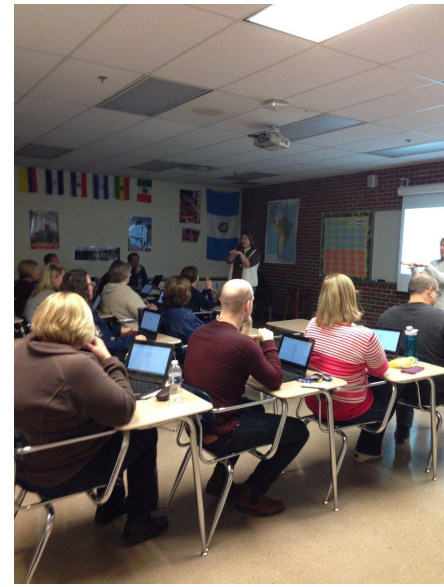
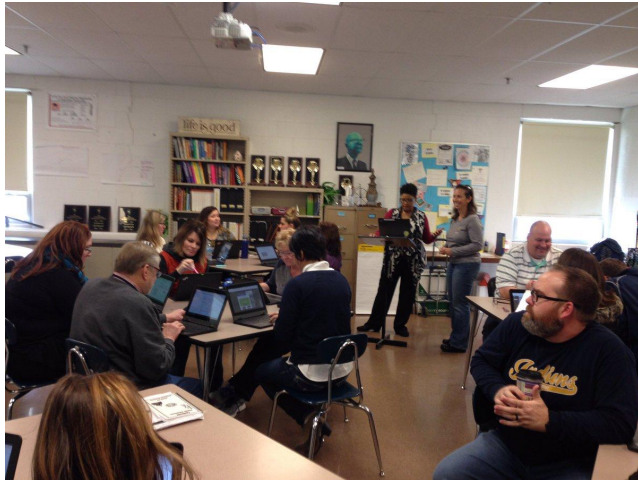
(Before 1:1-specific training and details announced)

- 82% ready by 2017-18 or earlier
- 97% ready for 2018-19



# Faculty Training

- Google bootcamp - Summer 2015
- Institute Days/School Improvement Days
- Conferences



- *Two Full-time Technology Integration Specialists (2016)*
- *Chromebook pilot programs (thanks in part to the LHSEF)*
- *Site visits to many school districts (Leyden, Stevenson, Lake Park, Indian Prairie 204, Oak Lawn, New Trier)*
- *Department training days with Technology Integration Specialists*



# Student Training

- Digital Citizenship Training
  - iSAFE - every year students experience different facet of technology training (Social Media, Harassment, Digital Footprint, etc.)
    - Freshmen - Business & Technology Concepts
    - Sophomores - Communications
    - Juniors - English
    - Seniors - Social Studies
- G Suite
  - Practiced in 113a Curricula
- Student Help Desk
  - Registration Day
  - Freshman Day
  - Ongoing throughout school year





# G Suite for Education

G Suite for Education is a suite of free productivity tools for classroom collaboration.

G Suite for Education

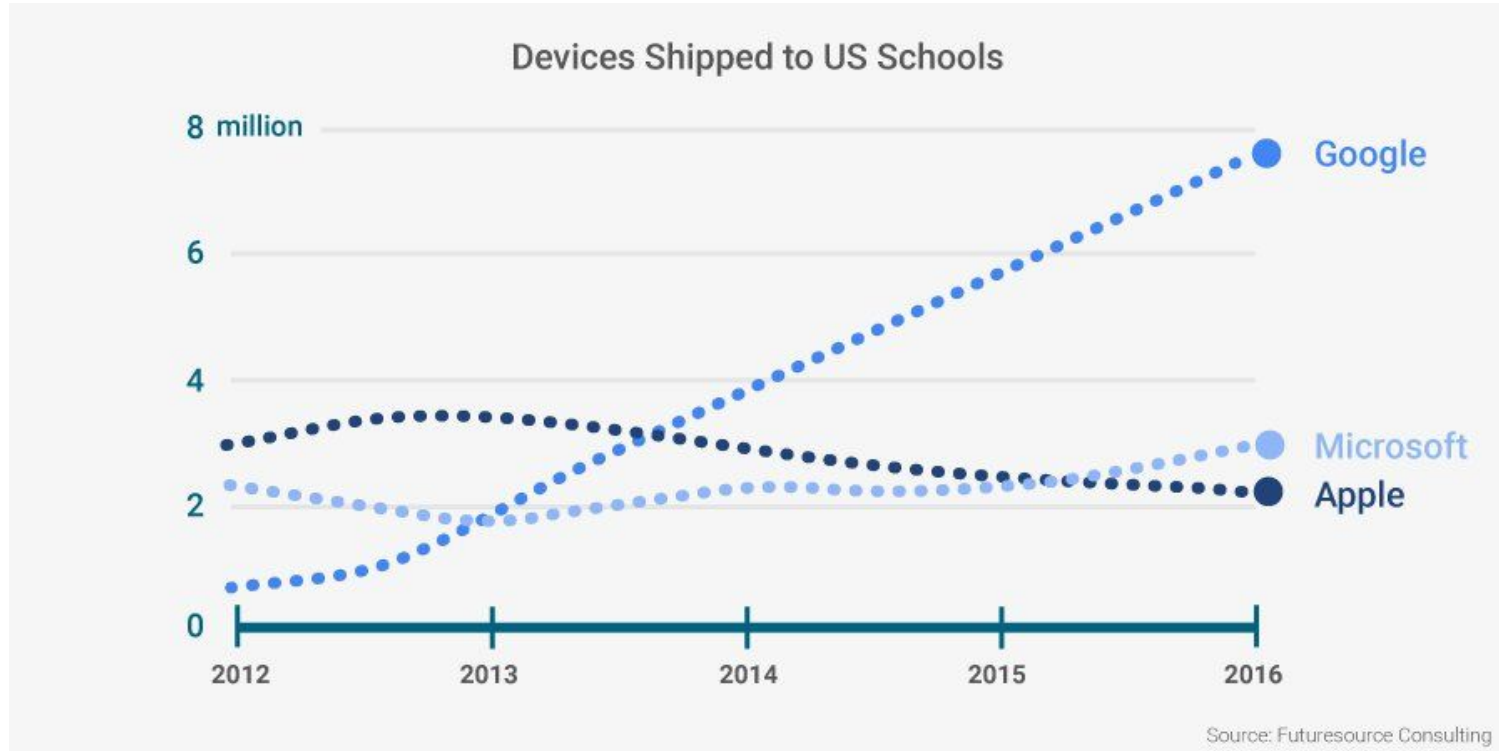


# Why Chromebooks?

- Ease of use for students
- Full integration with G Suite for Education
- Virtually virus-free
- Ease of management
- Automated system updates
- Cloud storage
- Security
- Speed
- Battery life



# Why Chromebooks?



# Infrastructure Improvements

- Internal wiring upgrades
- Bandwidth and firewall upgrade
- Wireless network upgraded



# WiFi Access

- Chromebook will automatically connect to secure WiFi access points in the building
- Chromebook can connect to standard wireless networks at home if they are available
- Chromebook will work on most open wireless networks (i.e., libraries, restaurants, etc.)
- Financial hardship options
  - Internet Service Provider
  - District Business Office (families w/ fee waivers/National School Lunch Program)



# Data Security

- Lemont High School takes appropriate measures to ensure the security of our student data.
- Chromebooks are designed with multiple layers of security to maintain their safety from viruses, malware and tampering.
- Any personally identifiable data is used to power features only for the person *who has logged in*.
- **Google Security:**

<https://www.google.com/edu/trust/>



# Device Management

Google's management console allows Lemont High School to:

- Track assets
- Pre-install and block apps and extensions
- Create user groups to apply policies, apps and settings to different sets of users
- Control user access and customize user features
- Configure network access



# Cost

- Reallocating existing budgetary funds allows the school's budget to cover a larger portion of the total cost of the program
- An additional \$85 fee will be assessed annually at registration to help offset the cost of leasing the devices
- Families with more than one student enrolled at Lemont High School will pay \$40 for each additional student, also annually





# Who owns the device?

Lemont High School:

- Leases the Chromebooks
- Maintains full management over all student devices



# Why do students have to use the school-issued Chromebook for instructional purposes?

- Applications will be extended to all school-managed devices; those apps cannot be installed on students' personal devices
- Functionality needs to be consistent among all devices
- Teachers will plan their instruction based on the selected device, which will have specific features that are most important for students



# What if students forget their devices?

- The school will maintain a limited inventory of Chromebooks that can be checked out on a one-day basis in these situations.
- Repeat issues are considered behavioral; discipline to follow student handbook procedures.



# Warranty

The Chromebook will come with a warranty that covers regular use. The warranty will cover accidental damage and repairs, with a few exceptions:

- Lost/broken chargers (deductible)
- Broken screens (deductible)
- Damage from neglect
- Intentional damage
- Theft
- Loss



# Next Steps

- The committee will continue as necessary to re-evaluate and adjust implementation, management, devices, etc.
- Professional development
- Student training
- Infrastructure





**Questions?**



# More Information

