What is a Makerspace?

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Link to Presentation: goo.gl/QA4XWy
What is a Makerspace?

- Makerspaces are centers for creative play
  - **Student-Centered:**
    Kids create something of their own design
  - **STEAM-Focused:**
    Focus on the design process
Design Thinking is...

- A process
- Interactive
- User-centered
- Empowering
- Everywhere
- ...a Mindset
Timeline of Makerspace Creation

Winter 2014 proposed pilot Makerspaces at High School and Elementary for 2015

Spring 2015 Held meetings with stakeholders for input

Summer 2015 - Funding from district to purchase “wish list” items to seed spaces

September 2015 - Very few stations open

September 2016 - All stations open
Funding came from:

*High School*: some district funds and library budget

*Summer Street*: funding from district funds, science, school, book fair monies and a lot of donations!

**Other Sources:**
- Grants
- PTO
- Community donations
Makerspace@LHS

- open for both class usage and individual use
- staffed by Media Specialist, technology integration specialists when present and high school Help Desk students.
Little Bits

Electronics

deconstruction

makey-makey
Coding

Hour of Code

tickle app with Sphero
Printing

3D printer

Silhouette Cameo
Robotics

Sphero

We-Do Legos
Video Production

- Sony Vegas video editing software.
- Touchcast and Doink iPad apps.
Duct Tape Workshop
Post-It Note Contest

LHS Makerspace

All Day:
Thursday, 10/13
Friday, 10/14

Come during your study/lunch!

Halloween Post-It Note Art Contest*

*Prizes include a Halloween themed swag bag

See Ms. Alpert or Ms. Perkins for details.
Cyber Security/Password Protection

LHS HELP DESK STUDENTS
PRESENT:

Password Protection
Cyber Security

Friday
March 24th
G Block
All three lunches
Bring your lunch!

TEACHERS AND STAFF:
COME LEARN:
- how to create strong passwords
- best practices for classroom cybersecurity
- how to protect your online identity
- how to manage multiple passwords and accounts
3D Printed Phone Case Contest
Think Board
Green Screen Video Contest

March Makerspace Activity
Video Contest:
Use the green screen to
predict the team you
think will win!

HOMEWORK PASSES
AND EXTRA CREDIT
AS PRIZES

Winning Video
February Activity: The Chemistry of Chocolate
Jose Gomez-Marquez

LITTLE DEVICES @ MIT
Makerspace@SSS

- open for both class usage and individual use
- staffed by LMS, aide
Duct Tape Crafts

LED/Chibitronics projects
Coding
Makey Makey

Interactive Book Drop -- watch it [here](#)!
Robotics

Kibo

Sphero
Electronics

Snap Circuits

Osmo
Construction Challenges

Legos, K’Nex, Kapla Blocks
Cardboard Arcade

Inspired by Caine’s Arcade
Curriculum Connections

High School Project Examples
Curriculum Connections

Elementary Project Examples
Lessons Learned

- Contests and Monthly Events bring students into the space.
- Professional Development days helped with curriculum connections.
- Creating a Makerspace is a work in progress.
- Special Education students and students with social & emotional needs greatly benefit.
- Younger students often prefer low-tech.
- The most commonly used high school station is the green screen for video production.
Thank you!

Contact us at any time with follow up questions!

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Lynnfield Makerspace Tour:

5/23: Sign up to Visit our Makerspaces