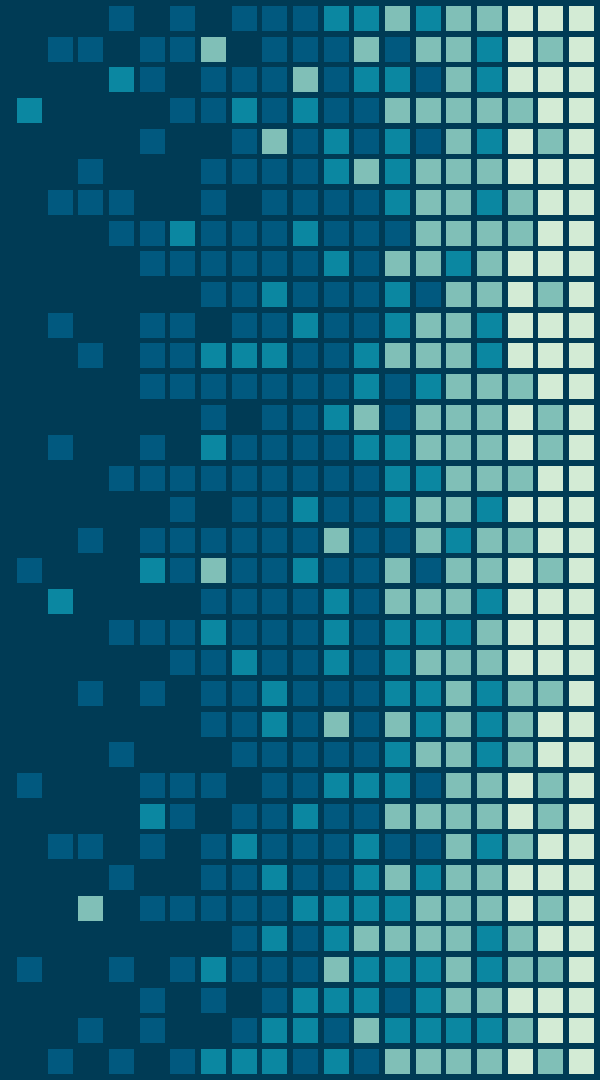
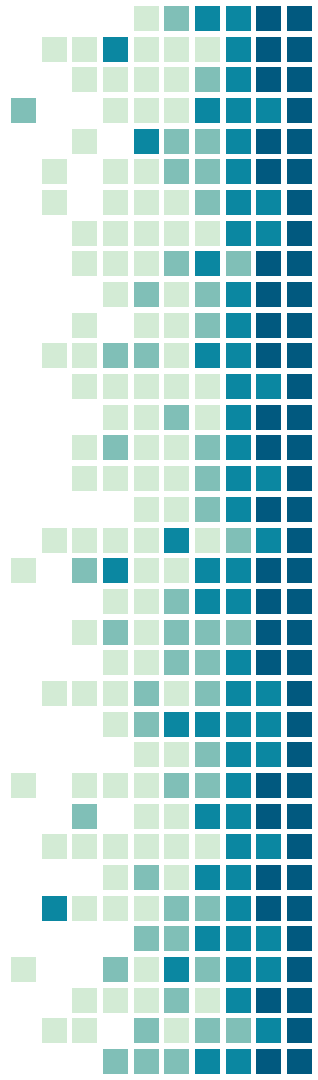


Coding and Tech for Tweens and Teens



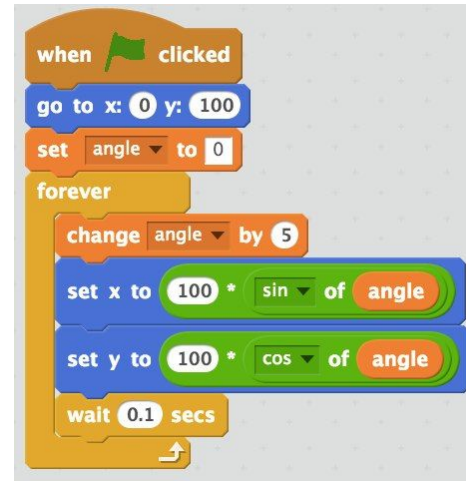
Stats And Tips

- Population: 10,619 (2010 census)
- The “Epic” Factor
- MAKE SURE EVERYTHING IS CHARGED!!!!
- Power strips are your friend
- Ask questions!

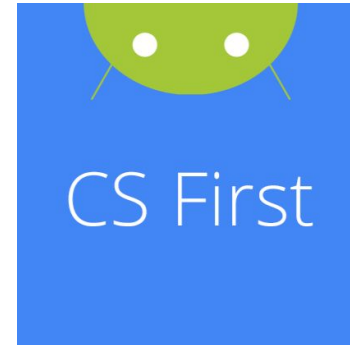


Code Quest

- Google CS First/Scratch
- 10-12 Kids
- 4th,5th, and 6th Grade
- Registration
- Laptops
- Prep Time: 1 hour/week
- Program Length: 1 hour 15 min
- Cost: Free



```
when green flag clicked
  go to x: 0 y: 100
  set angle to 0
  forever loop
    change angle by 5
    set x to 100 * sin of angle
    set y to 100 * cos of angle
    wait 0.1 secs
```



Hour of Code with Girl Scout Troop 8277

- Binary Bracelets
- Lego Mindstorms (SCLS)
- Basic Computer Parts Worksheet
- Spheros (SCLS)
- Makey Makeys (Kit for Patron Checkout)
- Prep Time: 2 hours
- Program Length: 1 hour
- Cost: Free



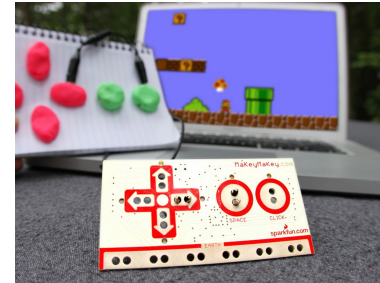
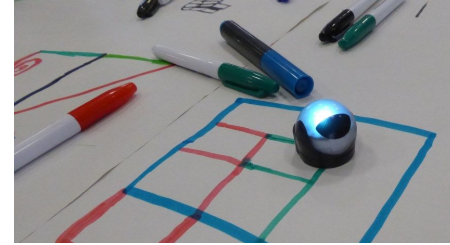
Minecraft

- 3 years
- Grades 1-6
- Creative “Challenge”
- Registration for 30 kids
- Prep Time: 1 hours
- Program Length: 1 hour
- Cost: Minecraft Game- \$27 for computer, \$7 for pocket edition



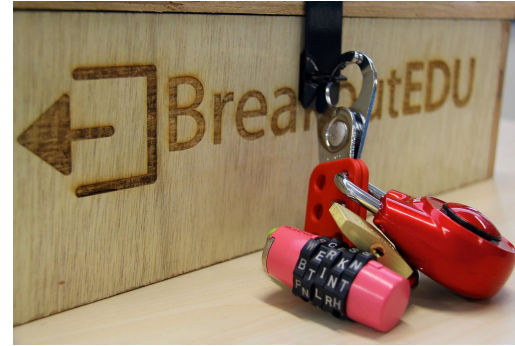
Materials for Checkout

- 2 Ozobots
- 2 Makey Makeys
- In Progress: recording equipment, SNES Classic, Raspberry Pi



Breakout EDU

- 10 Kids/room
- Registration
- Caught in the Code
- The Infection
- Prep Time: 30 minutes/room
- Program Length: 45 minutes/room
- Cost: \$275 For 2 Kits (We have used these for 14 different rooms and 24 groups of kids in the 4 months we have owned them)



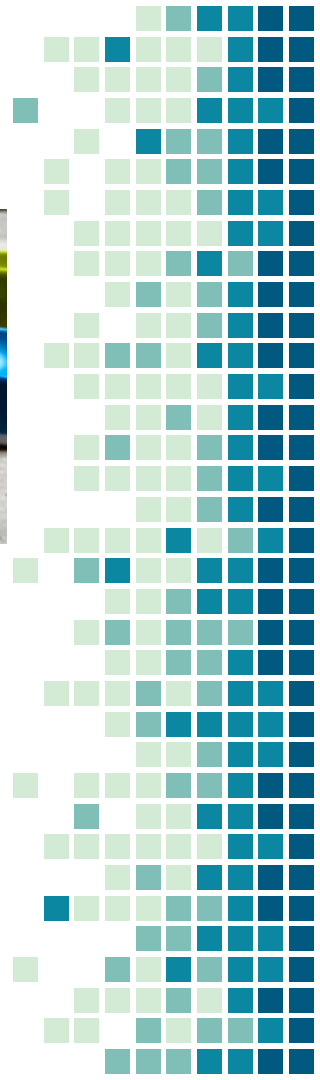
Video Games

- Smash Bros. Tournament
 - Registration
 - Cost: \$110 for prizes
- SNES Classic
 - Cost: \$80
- Nintendo Switch
 - Cost: \$300



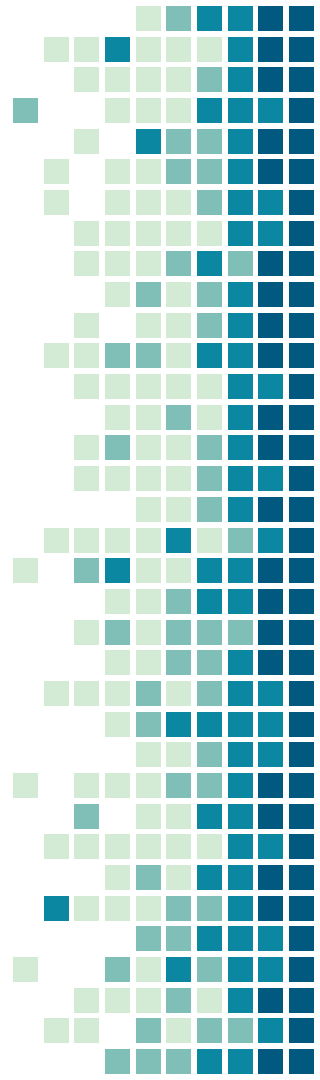
Sferos (SCLS Kit)

- Part of Hour of Code Program
- Super Sferos!
- Anime Club/Pokemon Go
- Keeping everything connected is tough
- Prep time: Minimal
- Program Length: As long as Sferos stay charged
- Cost: Free



Virtual Reality (SCLS Kit)

- Teen Gaming
- Summer Reading Kick-off
 - Headset fit
- Job Simulator and Youtube
 - Game Room, Vlog, The Last Guardian
- Prep Time: Set-up 30 mins
- Program Length: 1 ½ hours or switch staff
- Cost: Free



Stop Motion

- SCLS Kit
- Prep Time: 1 hour
- Program Length: 2 hours
- Cost: Kits \$45, Stop Motion = free App



Code Jam



- Teen Program
- Registration
- [Codecombat](#) Typing
- [Scratch](#) Moving blocks
- [Codecademy](#) Learn languages
- [Sploder](#) Create games
- Change for future programs: Challenge
- Prep Time: Depends on equipment
- Program Length: Up to 2 hours
- Cost: Snacks

codecademy

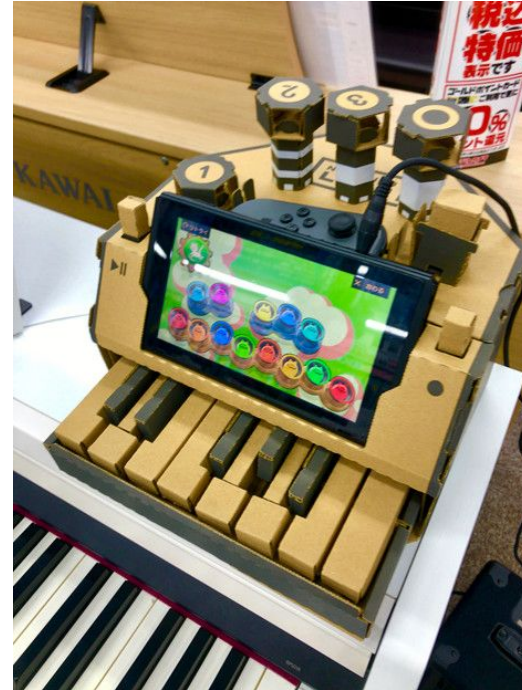


SCRATCH



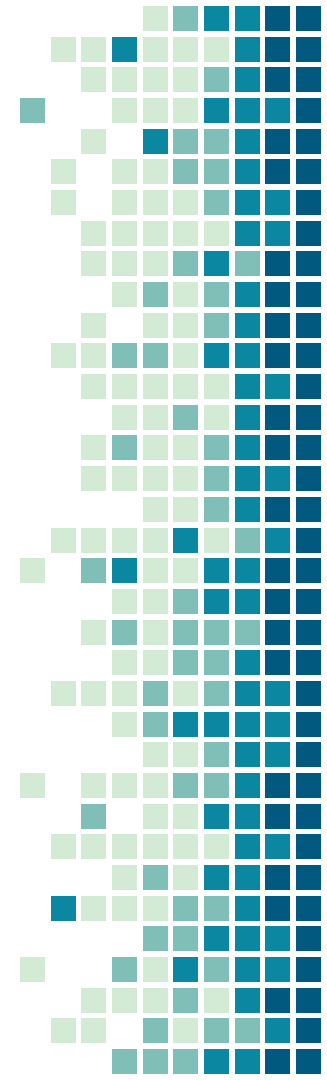
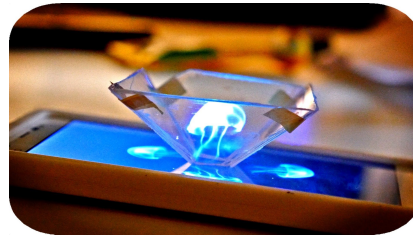
Teen Tech Brunch

- Brunch Foods
- Registration
- Nintendo Labo
- Little Bits
- Makey Makeys
- Stop Motion
- Prep Time: 1 hour
- Program Length: 1 ½ hours
- Cost: Labo kits ~\$70 each, Switch, Food



Other Tech Events

- Build a Computer
 - Prep Time: 1 hour
 - Program Length: 2 hours
 - Cost: Free
- Teen Robotics
- Pocket Green Screen
- Holograms



The Future

- Raspberry Pi
- Collaborative Projects
- Open and passive programming
- Experiences for younger coding



THANKS!

Any questions?

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Free Play!

- Nintendo Labo
- Books
- Games made by Code Questers
- Ozobot
- Breakout Edu Kits
- Share Board

