

# NCLab @ Your Library

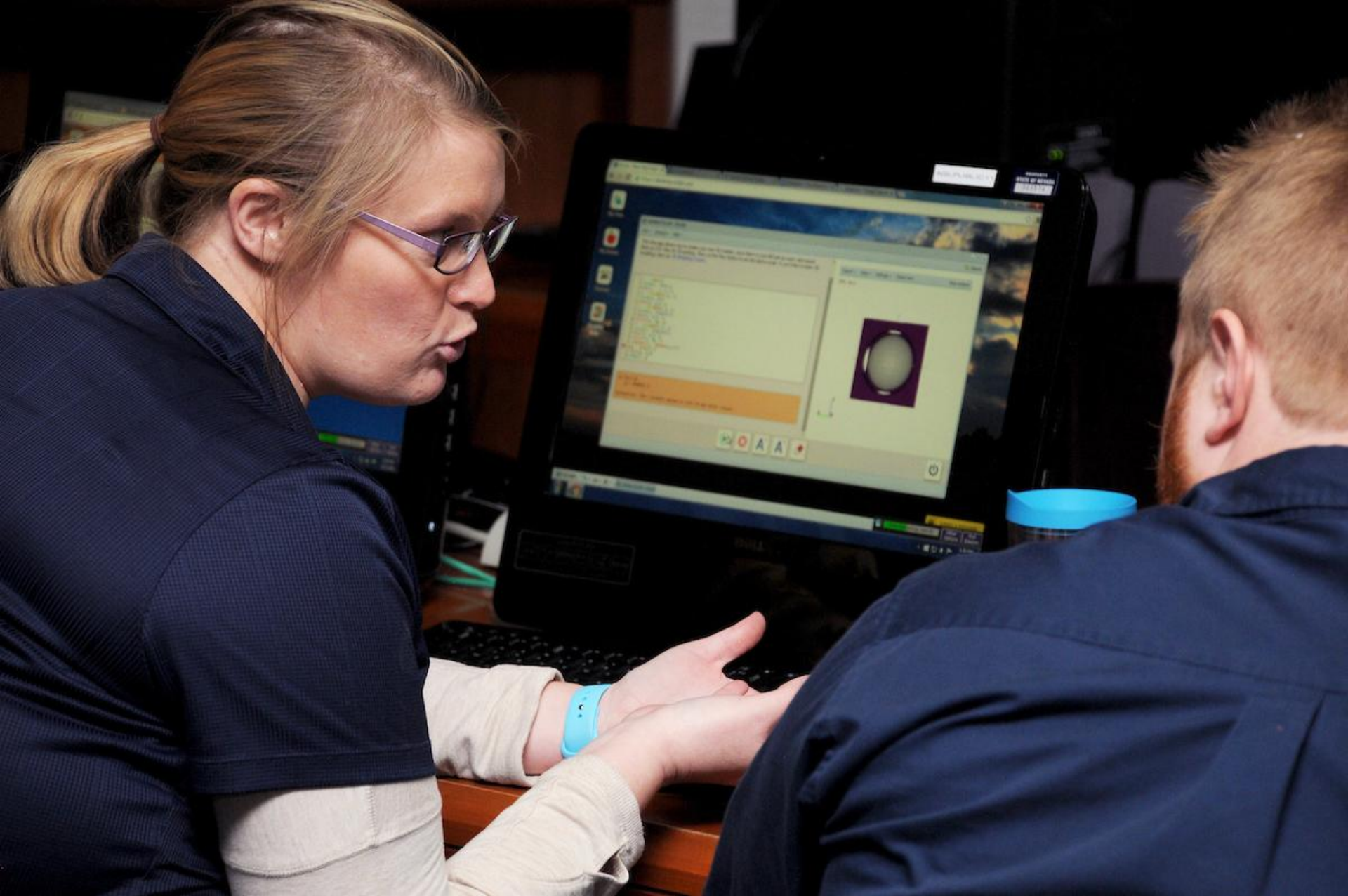
Nevada State Library, Archives and Public Records  
Carson City Library  
NCLab

# Partnership. NSLAPR

- Fall 2015
- Intro to Library Director's meeting on October 12, 2015
- Training for 20 Librarians
  - February 13-14, 2016 - Carson City
  - February 27-28, 2016 - Las Vegas
- Library Subscriptions











# Test Camps. Carson City Library.

- Test Camps. March 2016.
  - Spring Break
  - 2 All Day (7:30am-5:30pm) Camps
    - 1 Day. Middle School (6,7&8)
    - 1 Day. Upper Elementary (4&5)

# Summer Program. Carson City Library

- Summer Learning Challenge. Summer 2016.
  - All Summer Long, Life Long Learning
  - NCLab for All Ages
    - Sunday's
    - All Ages Attended
  - Boys and Girls Club
    - Wednesdays
      - Teen
      - Middle/Upper Elementary
  - Kids Club (Parks and Recreation)
    - Wednesdays
      - Teens

















# NCLab

Sheila Bunch - Director of Education for NCLab

Mini - bio:



- Recently retired from teaching K-12. (2006-2016)
- Joined NCLab to develop curriculum, and provide support for libraries, schools, and other users.
- 1990-2006: built communication systems and towers.
- 1976-1990: geologist (exploration, mining)
- First learned programming in 1972 - Fortran!
- First job (1972) - reducing matrices with a Burroughs calculator (very noisy, very slow)
- Second job (1973-74) - manufacturing microcircuits

# Why should libraries teach programming?

Because schools don't. Or can't.

Because kids need a place where they can get some real practice time, away from distractions.

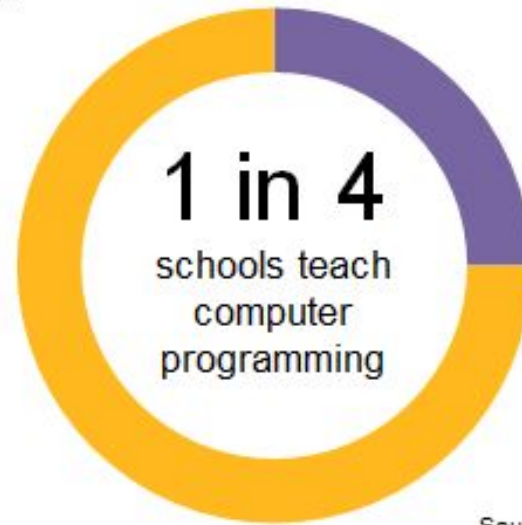
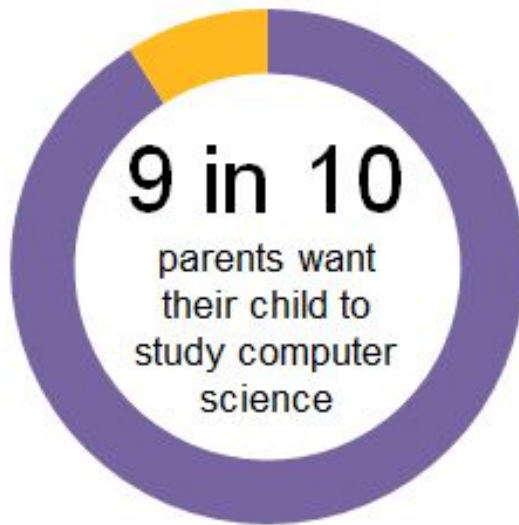
Because ...

Here are some compelling reasons and statistics from Code.org



# Computers and software are changing everything...

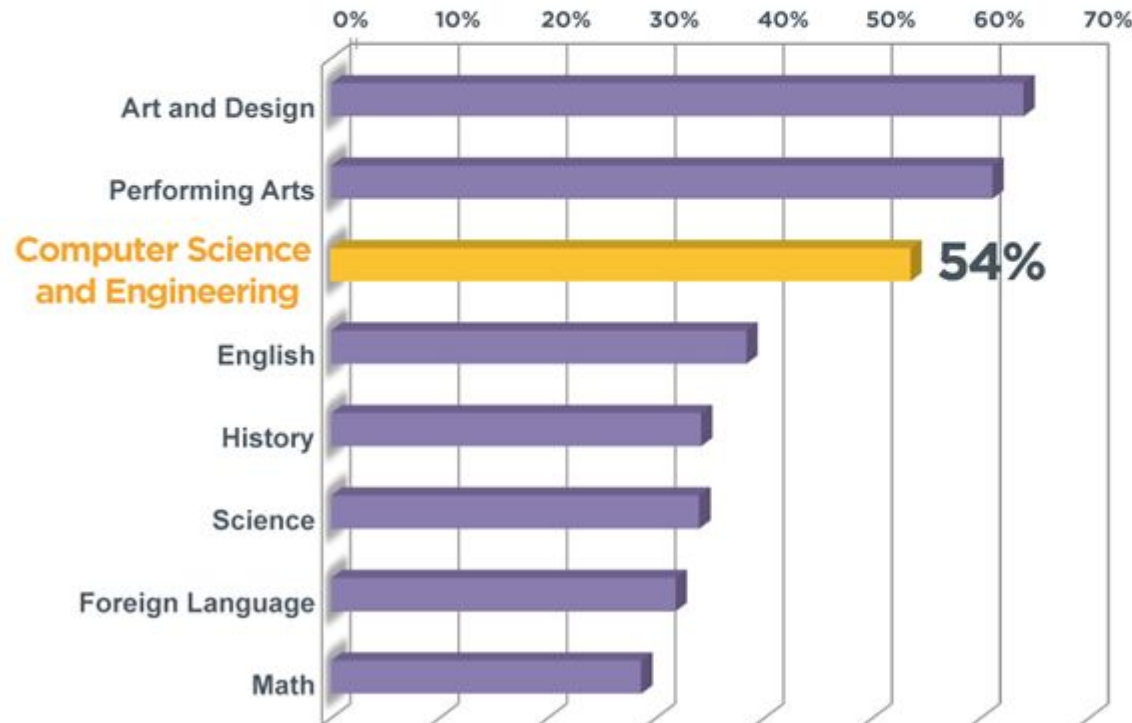
... but the majority of schools  
don't teach **computer science**:



Source: Gallup

Source: code.org

# And students enjoy computer science and the arts the most



Source: Change the Equation

Source: code.org

Some may think:  
Computer science is just about  
learning technology

Source: code.org



Some may think:

~~Computer science is just about  
learning technology~~

Computer science is about  
logic, problem solving, and  
creativity

Source: code.org

Some may think:  
The tech industry is desperately  
trying to hire computer  
programmers in California

Source: code.org

~~The tech~~ **every** industry is  
desperately trying to hire  
computer programmers in  
~~California~~ **everywhere**

Source: code.org



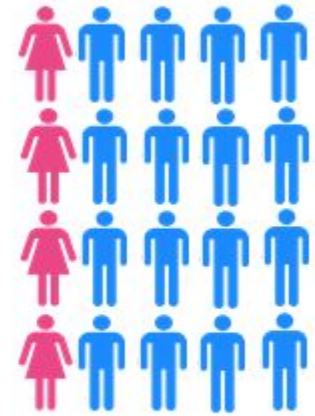
# Tech's diversity problem is also in CS



High school  
computer  
science



University  
computer  
science

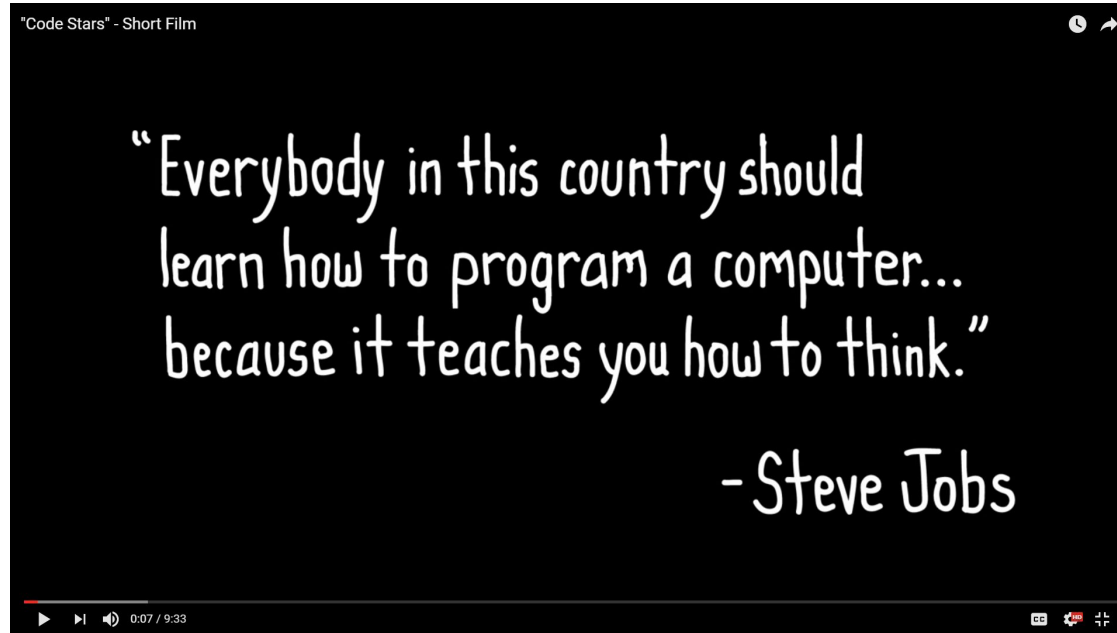


Software  
workforce

Women who try AP Computer Science in high school are ten times more likely to major in it in college, and Black and Hispanic students are seven times more likely.

Source: code.org

# Convinced yet?



<https://www.youtube.com/watch?v=nKlu9yen5nc>

Source: code.org

# A wonderful partnership

## Libraries



## NCLab

- Available to **everyone**
- Libraries are the **heart of the community** and can coordinate with other organizations
- A place where kids can **play** with learning
- But also a place where learning is **sacred stuff**
- **Self-paced** courses, with **stepped, consistent instruction**
- **Creative tools** that go way beyond the courses
- Built-in **cloud storage** where students can keep and share their work

# How can NCLab help with your program?

- Visit NCLab's exhibit! This annual meeting is a great chance to connect with everyone.
- Fill out our [feedback questionnaire](#), so we have a better idea of how to help you succeed with your programs.
- Check out the Camp Guide for ideas.

<http://femhub.com/docs/NCLabPrograms.pdf>



# Questions?

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**Carson City Library**  
Your Knowledge & Discovery Place

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