

# QND Computer Science Day 14

Mark Schmidt

# The Last Day

- Cookies!
- Recap
- What's Next?
- Survey

# What Did We Learn?

- Variables
- Strings
- Integers and Booleans
- `if` / `elif` / `else`
- `while` and `for` loops
- Functions
- Lists + Dictionaries
- The Internet

# What's Next?

- If you didn't like this...
  - You're done!
- If you did like this...
  - There's a **lot** more to learn!

# How to Learn

1. Copy directly from books and resources
2. Replicate and remix
3. Make something totally new!

# Intrinsic vs. Extrinsinc Motivation

- Extrinsinc motivation
  - Threatening with a final exam
  - Rewarding with cookies
- Intrinsic motivation
  - An innate desire to learn
  - Wanting to create something

# Schedule

- High School is hard!



# Some Recommendations

- Apps
- Web
- Games
- Hardware

# Apps

- iOS
  - Swift
  - Swift Playgrounds
- Android
  - Java/Kotlin
- Flutter
  - Dart



# Web

- HTML/CSS/JS
- TypeScript
- React
- Do it all in Replit!



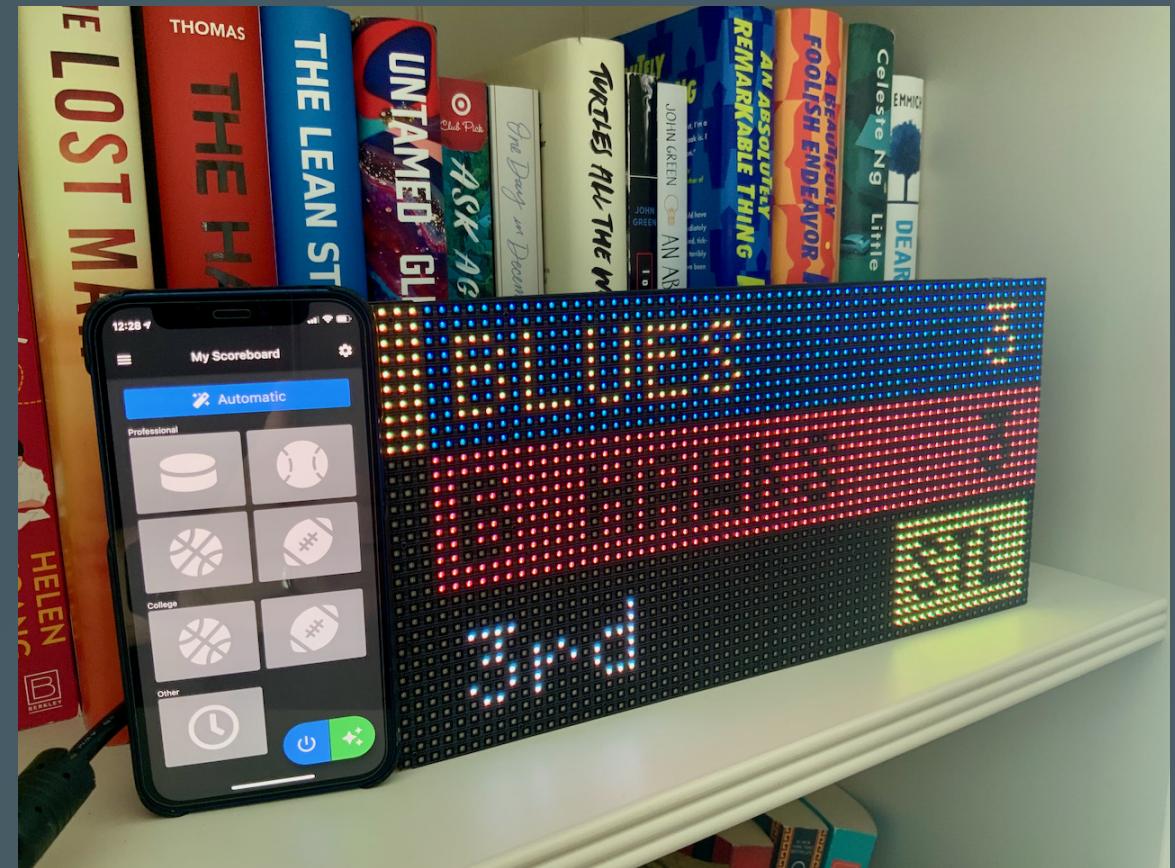
# Games

- pygame
  - Python
  - Available in Replit!
- Unity
  - C#



# Hardware

- Raspberry Pi
  - Python
- Arduino
  - C



# Resources

- SO MANY RESOURCES
- Books!
- YouTube
- Replit
- Swift Playgrounds

# Education

- Take the AP Comp Sci test
- Counts for college credit + provides motivation

BARRON'S

The Trusted Name in Test Prep

# AP<sup>®</sup> Computer Science A

WITH 6 PRACTICE TESTS

NINTH EDITION



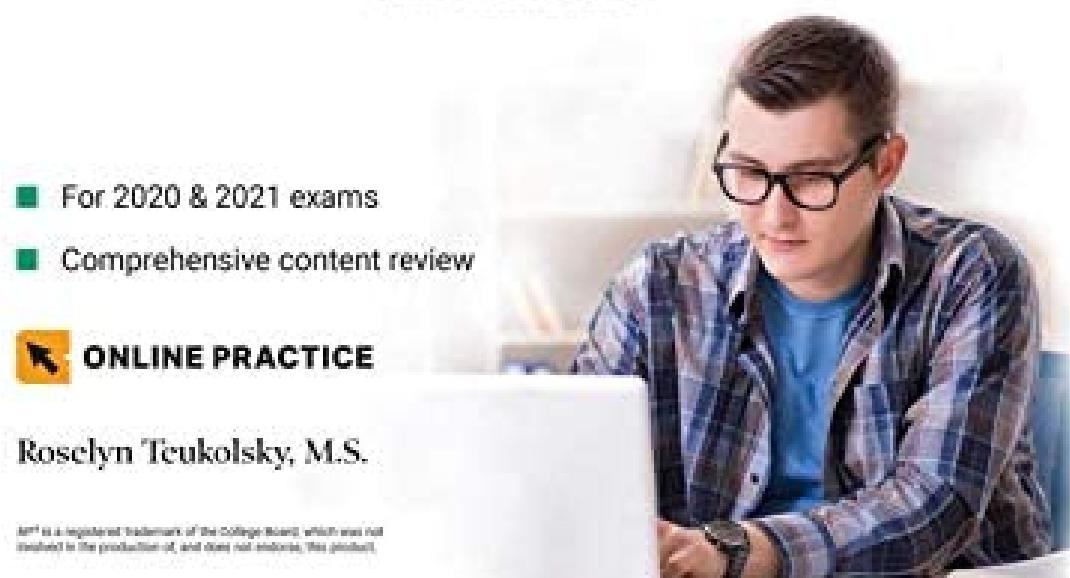
- For 2020 & 2021 exams
- Comprehensive content review



ONLINE PRACTICE

Roselyn Teukolsky, M.S.

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# Final Advice

- Practice, practice, practice
- Don't be afraid to ask for help
- Ship it!

# Me

- If you want to contact me,  
ask Mrs. Steinkamp
- I may be around next  
semester...



# Thank You!

- I hope you enjoyed this class!
- [markschmidt.io/qnd-feedback](https://markschmidt.io/qnd-feedback)
- [markschmidt.io/qnd-follow-up](https://markschmidt.io/qnd-follow-up)

