
WELCOME TO THE CODING SHOW
With your host, Mr. Kim
Please take a seat at any open desk
Bb

School Year 2022-2023:
Back to School Night @ LJMS

Coding and Innovative Technologies
I & II
Mr. Philip Kim

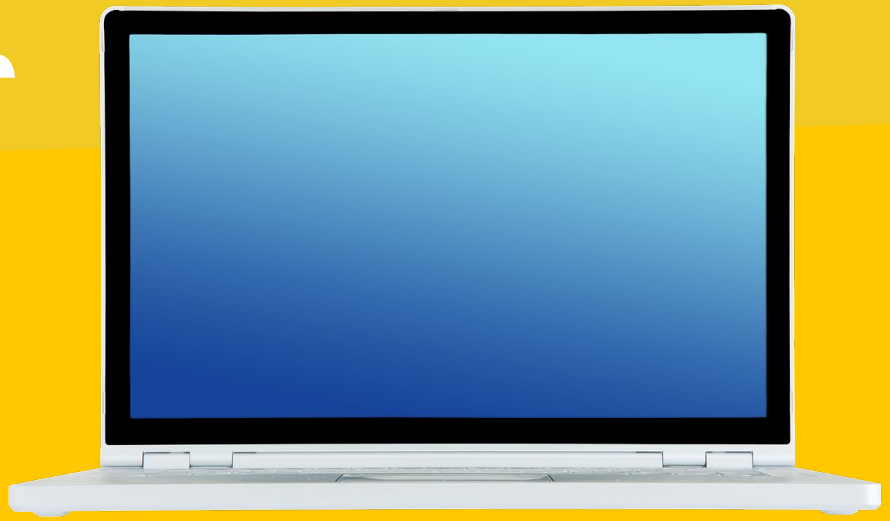
BTSN Schedule

1st pd	6:00-6:10
3rd pd	6:16-6:24
5th pd	6:30-6:38
7th pd	6:44-6:52

2nd pd	6:58-7:06
4th pd	7:12-7:20
6th pd	7:26-7:34
8th pd	7:40-7:48

Consent for Digital Use

Please use the QR codes on your desks



PHILIP KIM

Coding (I/II)

About Me:

- 8th year at LJMS
- Lived in Los Angeles and New York City (1996-2013)
- Worked in journalism and television production prior to teaching

My Goals:

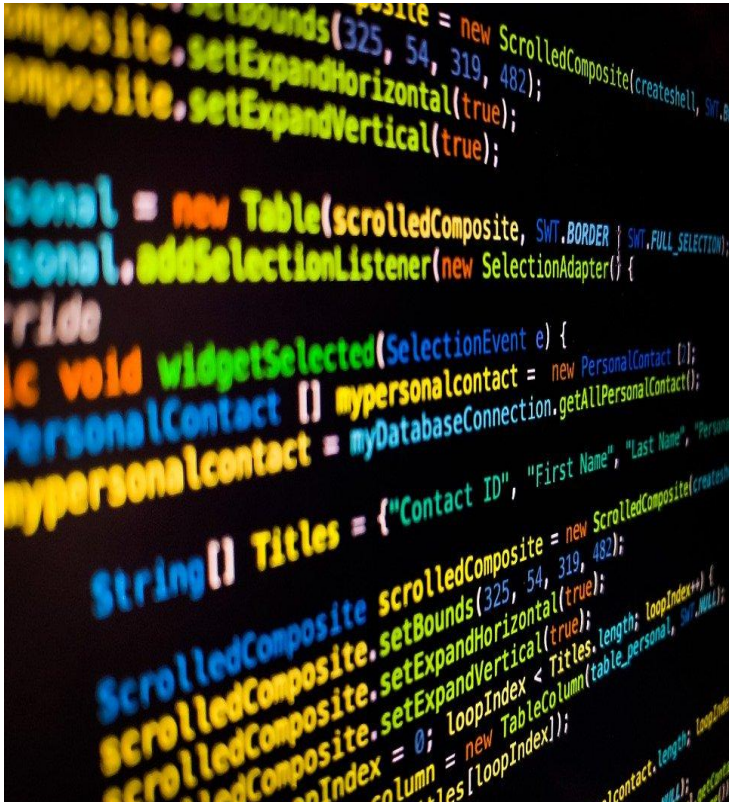
- Increase technical literacy and introduce students to real-world skills that are commonly found in the modern workplace
- Teach the importance of proper writing in relation to success in business
- Build and bolster positive relationships with students
- Be an ally to parents

Fun Fact:

Attended Jackson in 7th/8th grade!

Coding and Innovative Technology

- Coding and Innovative Technologies is a semester-long course where students are introduced to new and emerging technology through hands-on projects.
- Students will learn introductory coding concepts through a variety of apps and interactive web sites
- In addition, students will actively use technology to complete small group or individual projects
- Students become confident in their ability to program and are prepared to use tools that are becoming standard in the workplace and in everyday life
- Cybersecurity, website creation, practice ergonomic guidelines, troubleshoot computer problems, and manage computer files.



SEPTEMBER

Lesson 1: Intro to Problem Solving (Aluminum Boats)

Lesson 2: The Problem Solving Process

Lesson 3: Deductive Logic

Lesson 4: What is a Computer?

Lesson 5: Input/Output

Lesson 6: Processing

Lesson 7: Storage

Lesson 8: Project

What else are the kids learning?

Executive Function

Problem solving, prioritizing, time management

Teamwork

REALLY working as a team.

Communication

Expressing your needs appropriately

Creativity

Story development

Critical Thinking

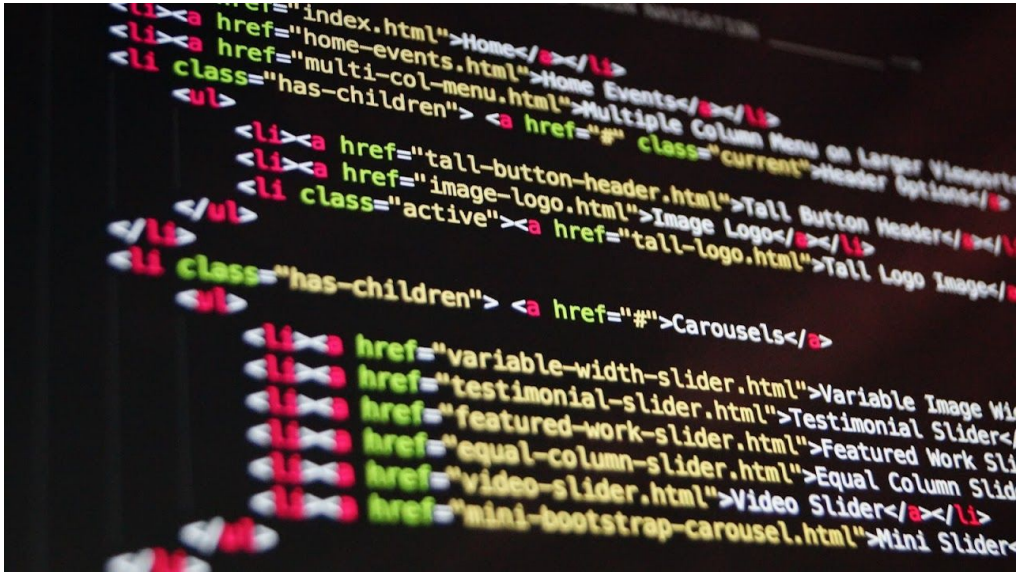
How can you get it to work?

History

Who did this first?
What happened then?

History of A.I.

- Smart machines have fascinated people for ages, with philosophers thinking about it and writers such as Jules Verne writing stories about these "human" machines.
- A.I. requires computing power, which hindered it from becoming a reality till the late twentieth century, when computers became powerful enough to run the artificial intelligence algorithms.

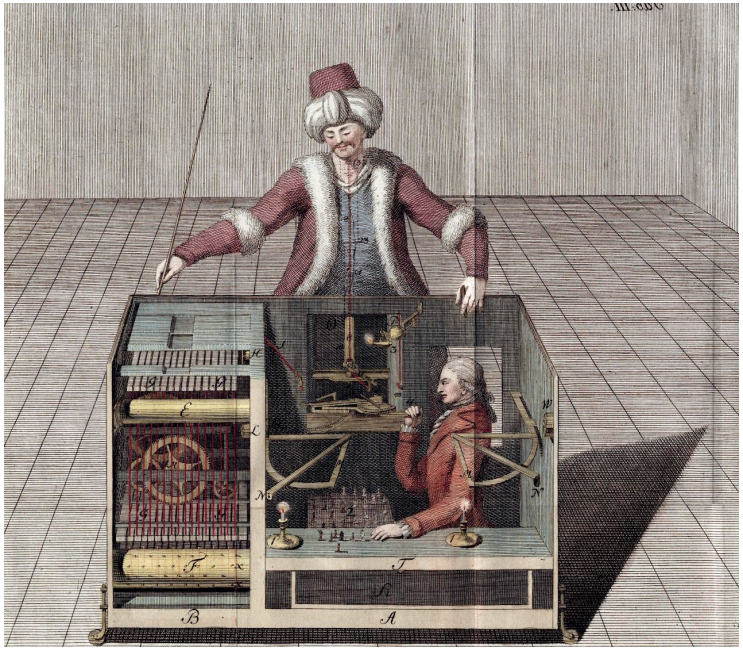


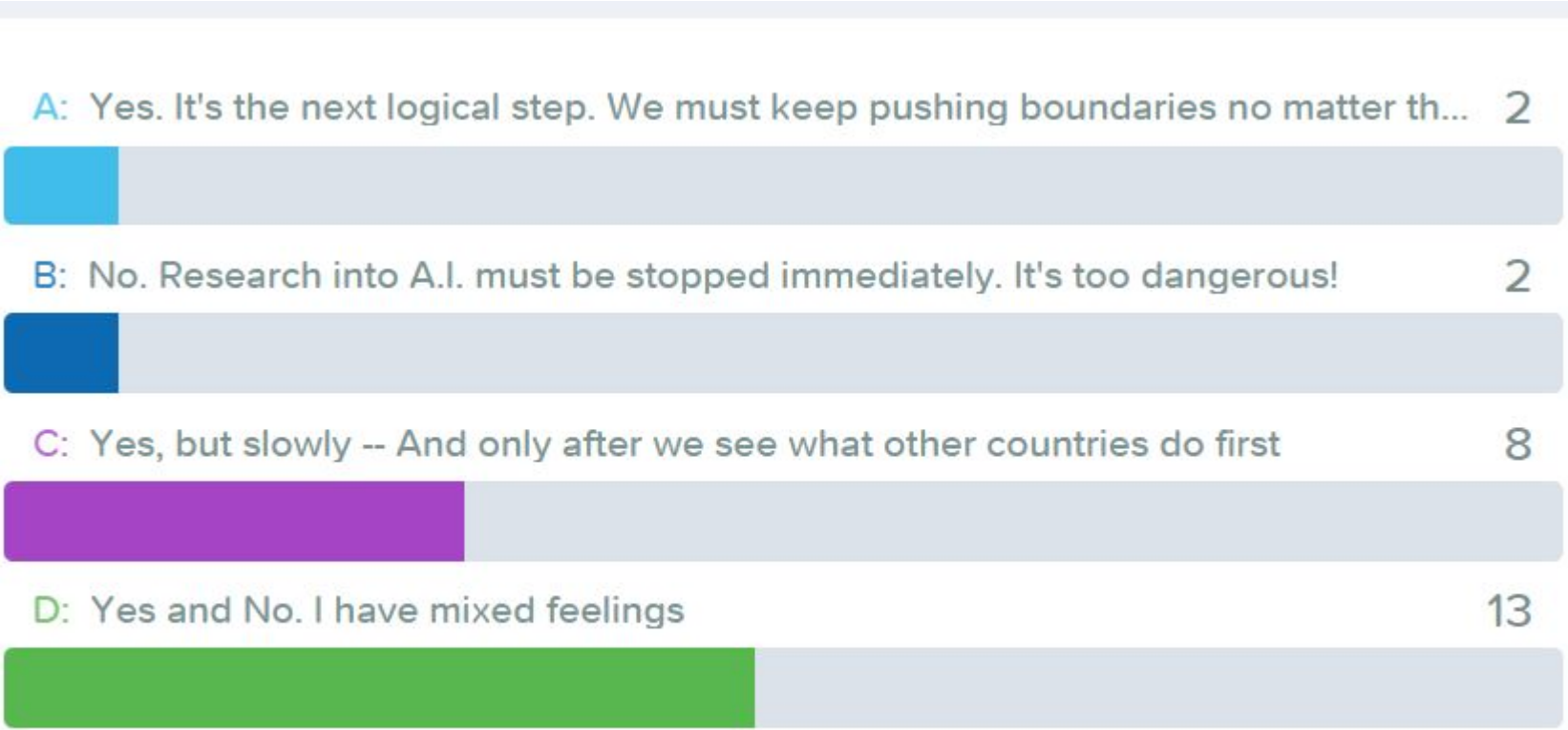
THOUGHTS ABOUT SMART MACHINES (Up To 400 C.E.)

- The first references to smart machines were in Greek mythology
    - Hephaestus, the god of metalworking, created intelligent robots, such as Talos and other artificial beings.
- Sacred mechanical statues in both Greece and Egypt were worshiped since they were believed to have emotions and wisdom.
    - They were believed to have these human traits because humans were supposedly able to harness and discover the true nature of gods, and reproduce it in these mechanical beings.
- This connects to A.I. because this was the start of the belief in these smart machines capable of human thought.

A.I. Makes Its “Debut” (1750-1800)

- The first believable A.I. was invented by Wolfgang von Kempelen in the 1769 when he created a chess playing machine named the Turk
    - Turk won many chess games and toured the world and amazed many people.
- It was a machine that uses gears to make a fake automaton move and play chess, with elaborate gears in the front
- It was later proven to be a hoax when it was learned that there was a master chess hidden in the back controlling the machine.
    - Although it was a fake, this was the first believable machine that possessed artificial intelligence, leading to a growth in interest for these "smart" machines.




A: Yes. It's the next logical step. We must keep pushing boundaries no matter th... 2
B: No. Research into A.I. must be stopped immediately. It's too dangerous! 2
C: Yes, but slowly -- And only after we see what other countries do first 8
D: Yes and No. I have mixed feelings 13

Communication Protocols

- All teachers can be reached through the main office at (703) 204-8100. Please note that there will be a delay in responding to phone calls during the school day.
- My preferred (and the most efficient) mode of contact is email. I can be reached at pkim@fcps.edu. I typically respond within 24 hours

Thank you for coming!

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If you have questions, email me at **pkim@fcps.edu**