

AP COMPUTER SCIENCE PRINCIPLES

Mr. Lewin

MY BACKGROUND

- ▶ Born and raised in Kentucky
- ▶ Computer Science degree from University of Kentucky a long time ago
- ▶ Worked in industry for 17 years
- ▶ Stay at home dad for 8 years
- ▶ Teaching for 10 Years

GRADES

- ▶ 60% Tests & Performance Tasks, 10% Classwork & Quizzes, 30% Final
- ▶ A zero in the grade book means they did not turn in the assignment
- ▶ Late work accepted up to the last week before Finals.
 - ▶ 10% deduction after assignment has been in the grade book for one week.

WHAT WILL THEY LEARN?

- ▶ How the Internet works
- ▶ Why the Internet is a big deal
- ▶ What is Big Data
- ▶ Cybersecurity
- ▶ Encryption and its importance
- ▶ Basic Programming
- ▶ Compression
- ▶ How to convert from Binary to Decimal to Hexadecimal
- ▶ Writing concise technical responses.

CLASSROOM INSTRUCTION

- ▶ We do a lot of discovery based learning, which is fun but sometimes students over look the importance of studying.
- ▶ We program most of the second semester, some students struggle with understand how to program. Try to encourage them to get help.

AP TEST

- ▶ Consists of a Multiple Choice test of 74 questions and two performance tasks
- ▶ The performance tasks are completed by April 30 regardless if the student is taking the AP test. They amount to ~40% of the test.
- ▶ Explore Performance task
 - ▶ Students respond to prompts about a recent computing innovation.
- ▶ Create Performance task
 - ▶ Students create a program and then respond to prompts about it.
- ▶ After the AP test in May students work on a Final Programming Project.

WEBSITE – USE GOOGLE CLASSROOM

- ▶ Students use their school login
- ▶ Parents should be able to use their school login.
- ▶ Used for assignments.

HOW TO REACH ME

- ▶ Email by far the best

dlewin@fcusd.org

- ▶ Phone ext 410334

- ▶ But will not return until the end of the day at best.

GETTING HELP

- ▶ Before school after 7:30
- ▶ After school if requested