

# WHAT IS COMPUTER SCIENCE?

Computer Science will soon be available in all schools across Wyoming. What will this mean for your student?

Computer science is the understanding of how computers work and how to use technology to solve problems and complete tasks. Computer science does not include using computers to perform everyday tasks, such as using apps created by others, keyboarding, or editing photos or movies.

## WHAT ARE THE COMPUTER SCIENCE OPPORTUNITIES?

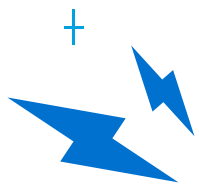
State law requires that computer science and computational thinking be taught by all K-12 schools in Wyoming no later than the 2022-2023 school year. Also, Computer science classes can now count toward one year of science graduation requirements, or the Hathaway Success Curriculum in math or science.

## CAREERS IN COMPUTER SCIENCE

Careers in the near future will draw from a wide variety of computer skills, and students exposed to Computer Science will have the tools needed to succeed. 58% of new STEM jobs are in computing. Computing occupations are the number one source of all new wages in the U.S. Our state stands to benefit from a tremendous growth opportunity, with the potential to create a tech hub and a workforce pipeline, so that graduates can live and work in Wyoming.

## HOW CAN I GET INVOLVED?

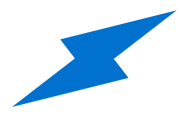
Help encourage and support your student's interest in computer science. Encourage them to join, or even start an after school coding club. Encourage them to get involved in a STEM or STE[A]M program. And most importantly, introduce your student early to computer programs and applications, and let them teach you.



**WYOMING**  
DEPARTMENT OF EDUCATION



**BOOT UP**  
**WYOMING**



# COMPUTER SCIENCE IN **WYOMING**

THERE ARE CURRENTLY **441** OPEN COMPUTING JOBS IN WYOMING (**5.4** TIMES THE AVERAGE DEMAND RATE).

THE AVERAGE SALARY FOR COMPUTING OCCUPATIONS IN WYOMING IS **\$63,223**, COMPARED TO THE AVERAGE SALARY IN THE STATE (\$46,840). THE EXISTING OPEN JOBS ALONE REPRESENT A **\$27,881,343** OPPORTUNITY IN TERMS OF ANNUAL SALARIES.

Computer science statistics from code.org.

WYOMING HAD ONLY **48** COMPUTER SCIENCE GRADUATES IN 2017; ONLY **3** WERE FEMALE.

There will be **1.1 million** unfilled computer science jobs by **2022**.



RESOURCES AT:  
[EDU.WYOMING.GOV/  
TECHNOLOGY/CS](http://EDU.WYOMING.GOV/TECHNOLOGY/CS)