

what is coding?

coding is the language used to create websites, apps, and computer software



by 2024, more than
500,000

computing jobs will come online¹

by 2018, **51%**
of all **STEM jobs** are
projected to be in
computer science fields²

studies show that **90% of parents** want
their child's school to teach computer science³



however, only
1 in 4 U.S. schools
offer computer
science courses in
programming & coding⁴



gender gap – in
2016, only **23%**
of students
taking the AP CS
exam were girls



most coding jobs are projected to grow faster
than other jobs in the **next 10 years**⁵

why should we teach our kids to code?

the biggest benefit to coding
is computational thinking



computational thinking (CT)

is a way of solving problems, designing systems, and understanding human behavior that draws on concepts fundamental to computer science.⁶

Google
for education
says...

"CT is essential to the development of computer applications, but it can also be used to support problem solving across all disciplines, including math, science, and the humanities. students who learn CT across the curriculum can begin to see a relationship between subjects as well as between school and life outside of the classroom."⁷

for more information:

generationcode.com | info@generationcode.com | 866.407.2345

1. https://docs.google.com/document/d/1gy5k1k1Jn_vwBHIKXqen194mrtzD12cux02gZk/pub 2. <https://obamawhitehouse.archives.gov/the-press-office/2016/01/30/fact-sheet-president-obama-announces-computer-science-all-initiative-0>
3. <http://csedu.gallup.com/> 4. http://blogs.edweek.org/edweek/curriculum/2016/11/eight_states_have_fewer_than_10_girls_take_ap_computer_science_exam.html 5. <http://www.bls.gov/soo/computer-and-information-technology/home.htm>
6. <http://www.cs.cmu.edu/~compthink/> 7. <https://www.google.com/edu/resources/programs/exploring-computational-thinking/index.html#ct-overview>