

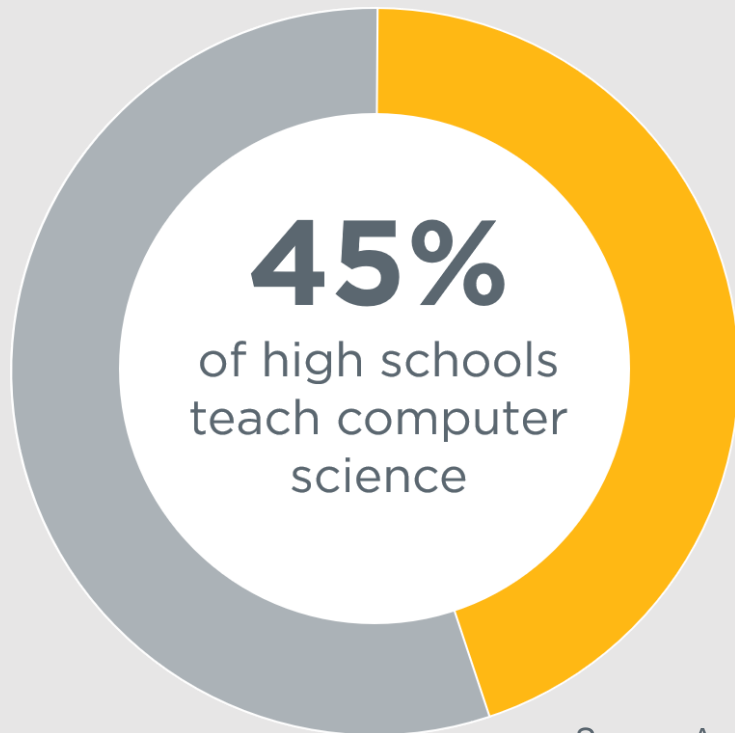
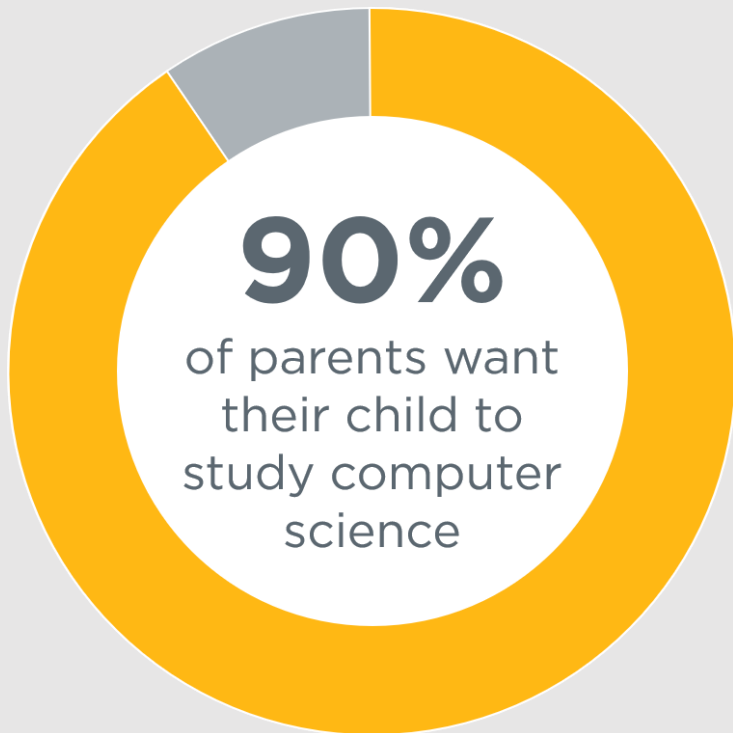


Code The Future
2019-1-TR01-KA229-074007
Soverato - Italy 9th-13th December 2019
1st Joint Staff Training

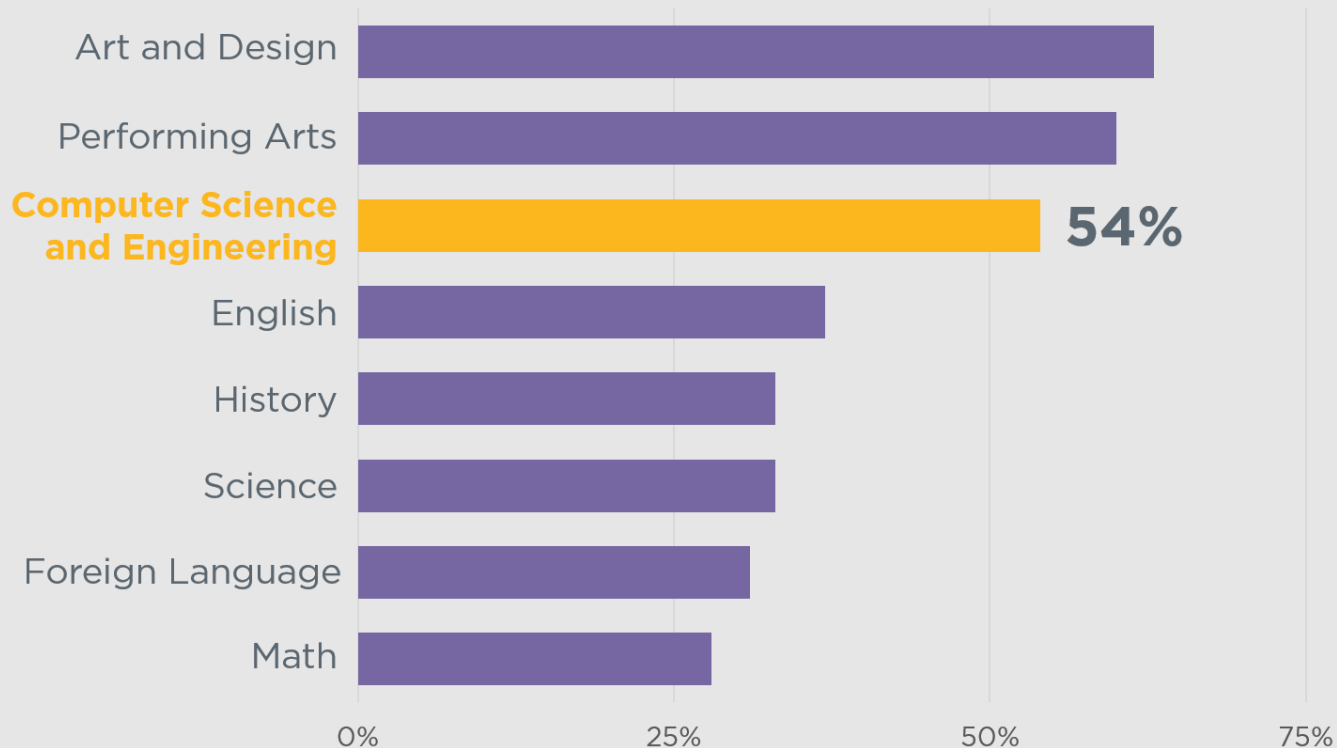
Virtual Classes with Code.org

Prof. Andrea Calio

**Computers and software are changing everything...
...but the majority of schools don't teach Computer Science**



Even when students enjoy Computer Science and Arts



Source:
Change the Equation

Some may think:

Our students should
learn to code...

~~Our students should
learn to code...~~

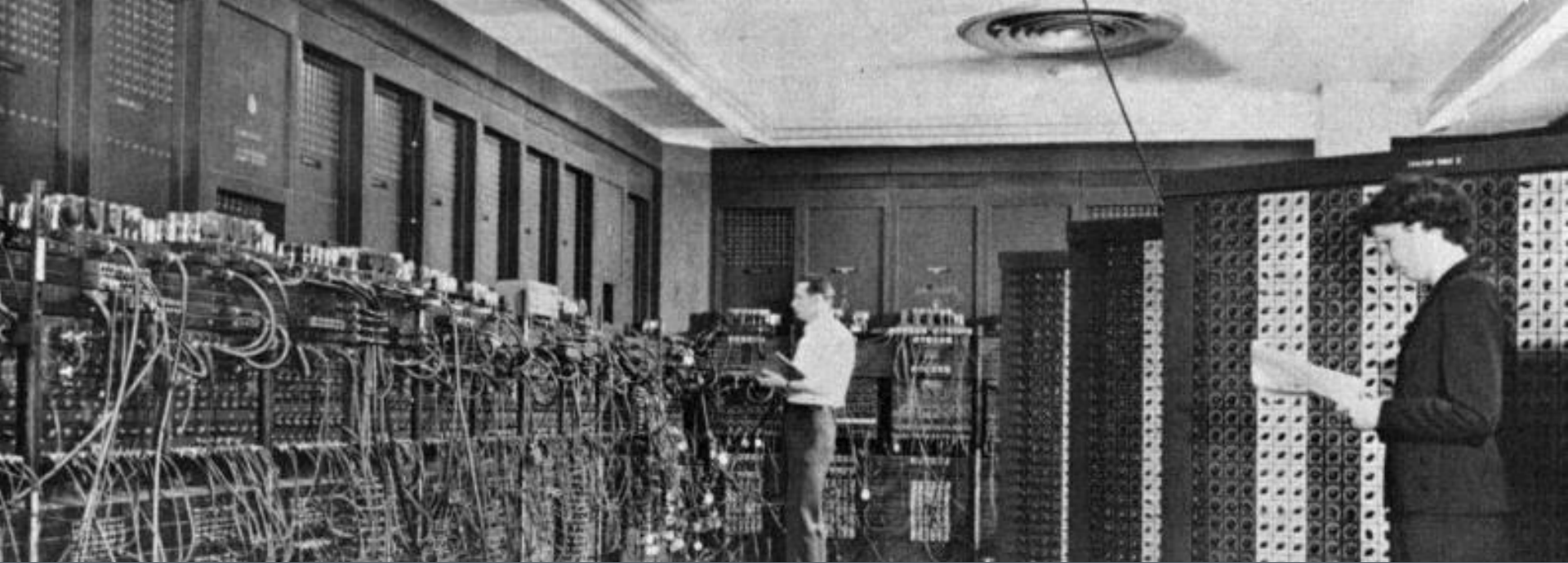
Our **schools** should teach
Computer Science

Some may think:

Computer Science is just
about learning technology

~~Computer science is just
about learning technology~~

**Computer Science is
about logic, problem
solving, and creativity**



First computer: 1943

Ada Lovelace



First computer: 1943

First computer program: 1843

Some may think:

Computer Science is
vocational

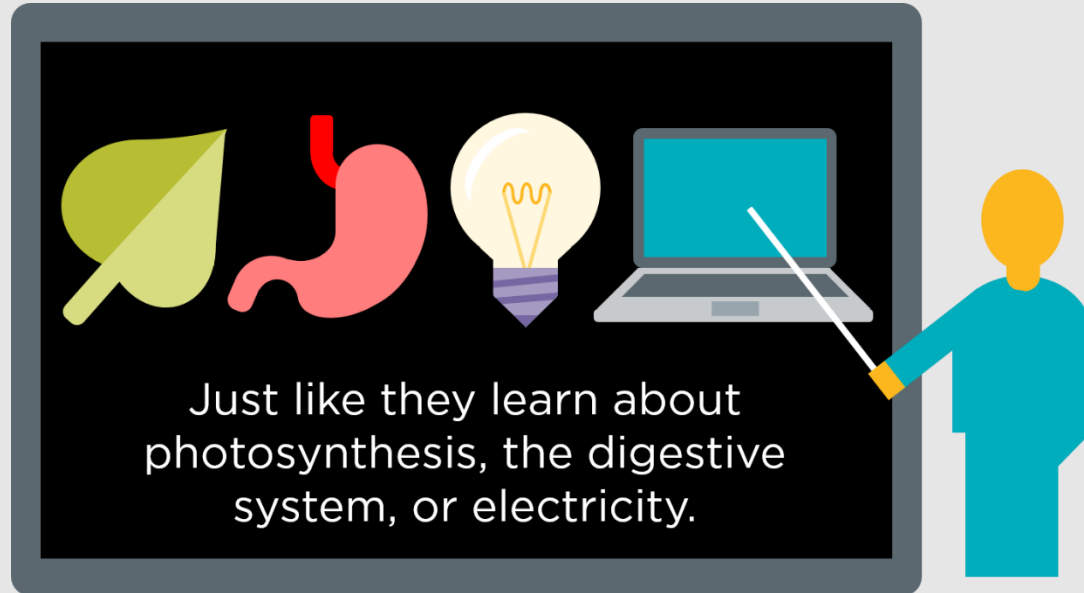
~~Computer science is
vocational~~

**Computer Science is
foundational**

Technology affects *every* field



Every 21st century student should have a chance to learn about **algorithms**, how to create **apps**, and how the **internet** works.



Some may think:

The tech industry is
desperately trying to hire
computer programmers in
California

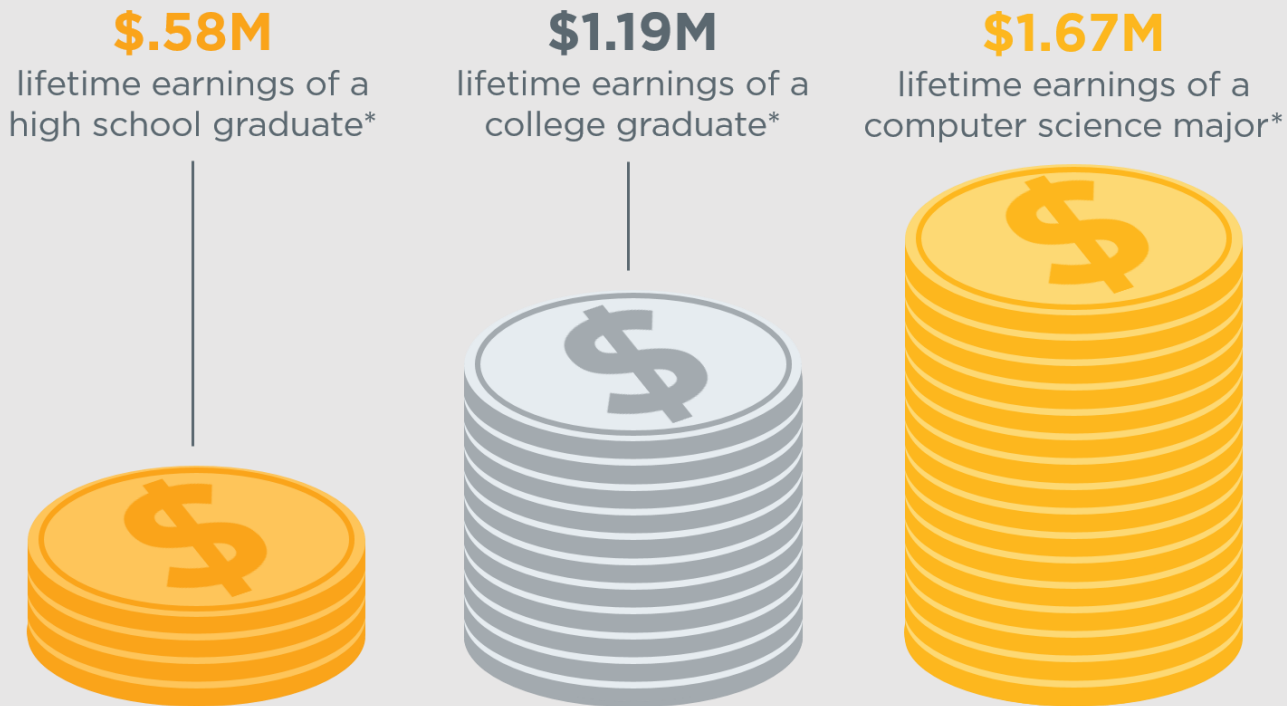
~~The tech~~ **every** industry is
desperately trying to hire
computer programmers ~~in~~
~~California~~ **everywhere**

83% of parents and 64% of principals in rural and small towns

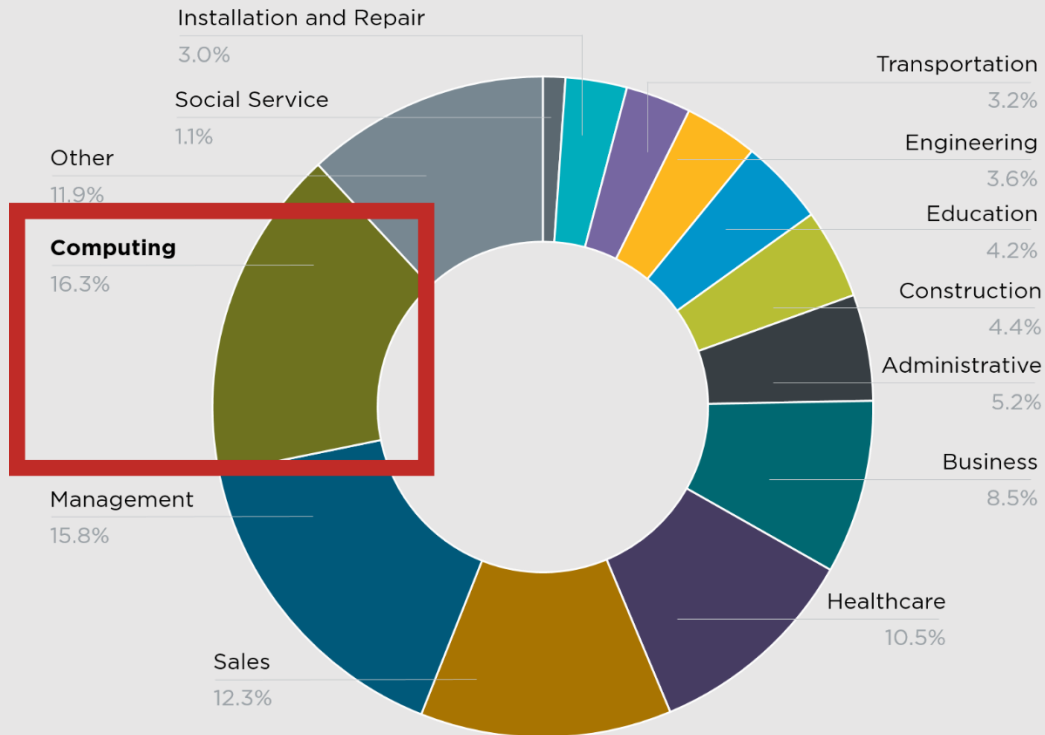


believe offering Computer Science is of little or less importance than any required course.

The value of a Computer Science-based Education



Computing Jobs are the #1 source of new wages in the United States

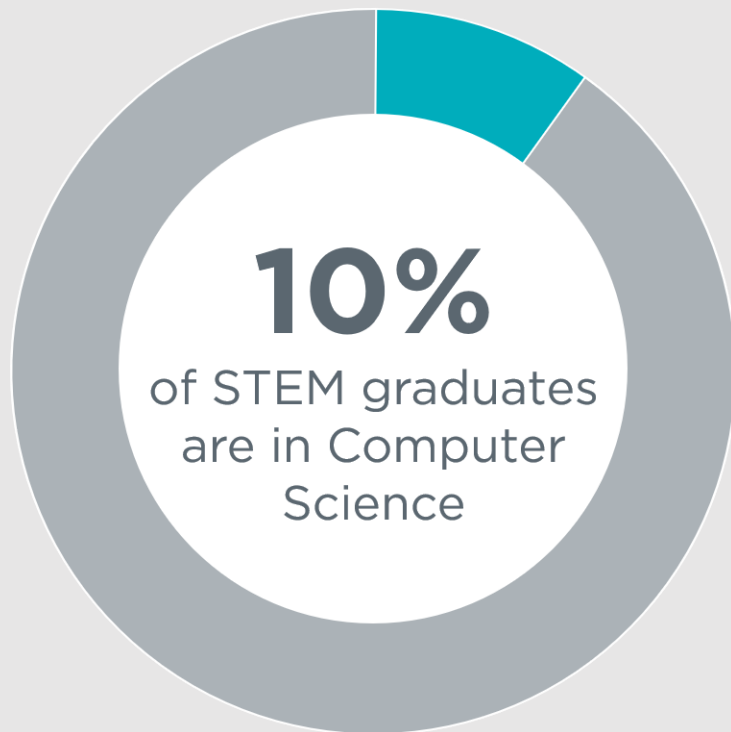
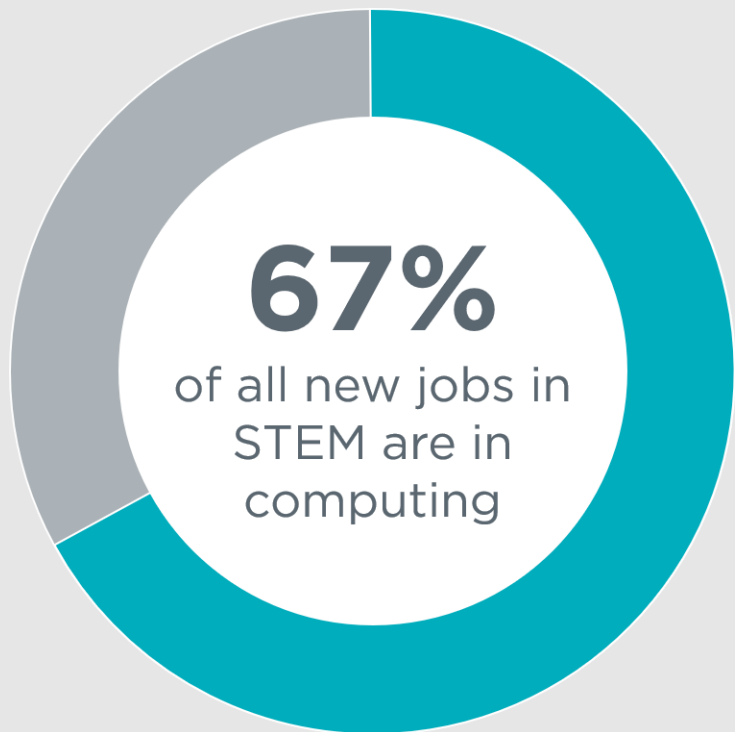


500,000 current openings:
These jobs are in **every** industry and **every** state, and they're expected to grow at twice the rate of all other jobs.

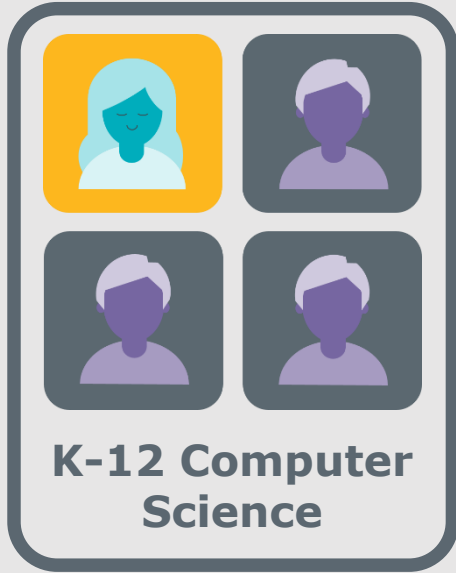
Some may think:

This issue is
about “**STEM**”
(Science, Technology,
Engineering, and Math)...

The STEM issue is in Computer Science

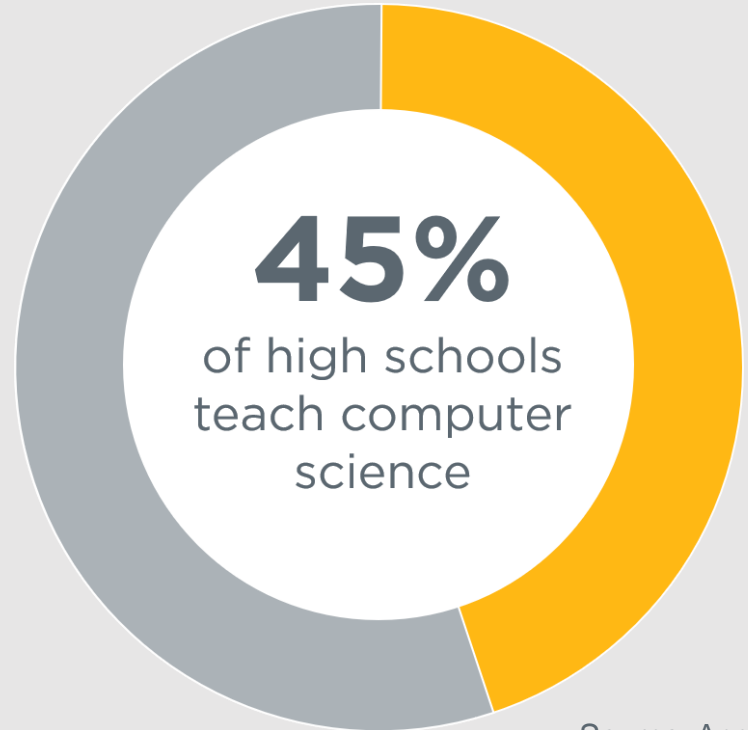
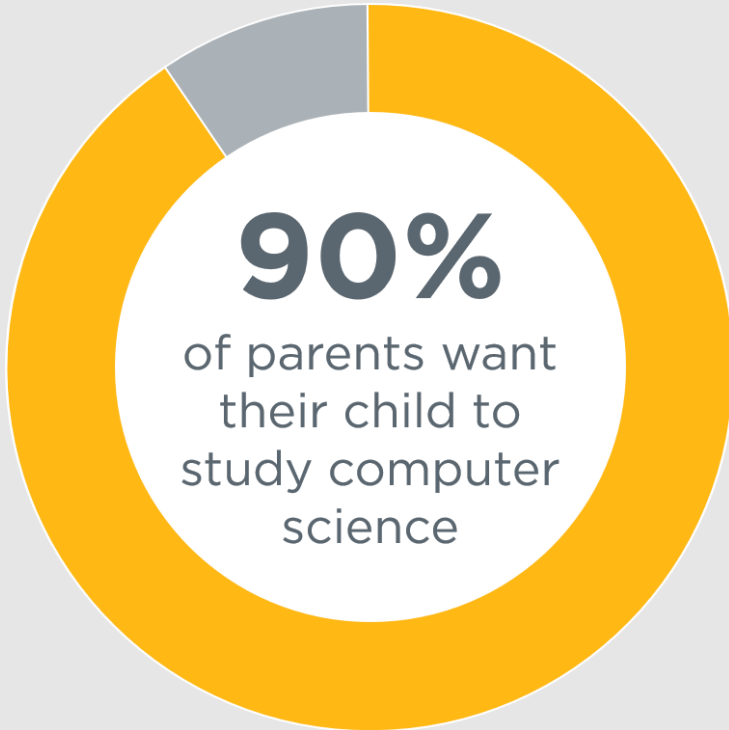


Solving the gap in K-12



Women who try AP Computer Science in high school are ten times more likely to major in it in college, and Black and Hispanic students are seven times more likely.

But fundamentally, this is what we need to solve



WHAT CAN WE DO?

Some may think:

I WOULD LIKE, BUT I WOULD NOT
KNOW HOW TO GET STARTED.

I DON'T KNOW ANYTHING
ABOUT IT !

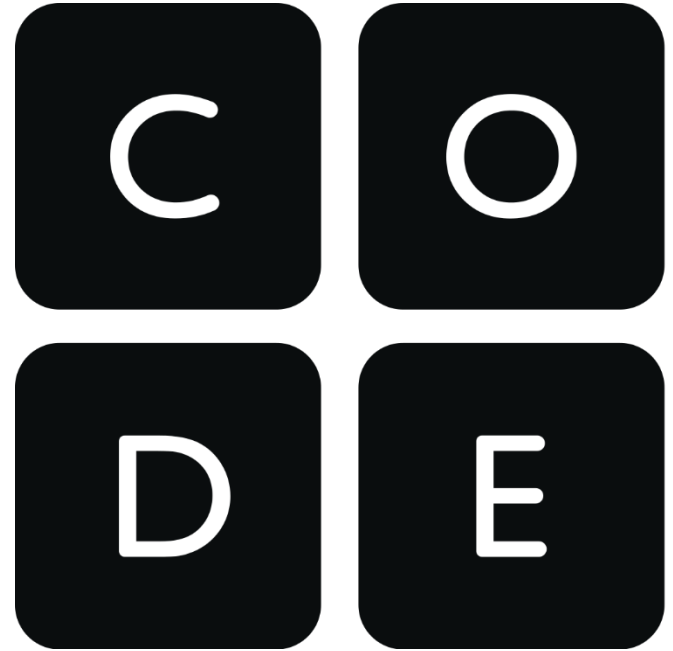
NO PROBLEM!

For this reason many **solutions** have been created to develop the "*Computational Thought*", even without being computer technicians or understanding modern technologies (like the programming languages)

One of these solutions is
online and completely free!

Its name is...

code.org





C O D E Corsi Progetti Informazioni

Crea Accedi

L'Orchestra del Codice è in arrivo... Tu cosa creerai?

Unisciti a noi

Prova

Try the new Dance Party!

Featuring

Katy Perry Lil Nas X (ft. Billy Ray Cyrus) Jonas Brothers Panic! At The Disco Shawn Mendes Nicki Minaj KIDZ BOP Pedro Capó Francesco Gabbani Sia A-ha Ariana Grande Avicii and Aloe Blacc Calvin Harris Carly Rae Jepsen Clara Goldplay Ed Sheeran Imagine Dragons J Balvin and Willy William Justin Bieber Keith Urban Lady Gaga Los del Río Madonna Mark Ronson (ft. Bruno Mars) MC Hammer Miley Cyrus Selena Gomez The Weeknd Yolanda Be Cool ed altro ancora!

Ogni studente di ogni Scuola dovrebbe avere l'opportunità di imparare informatica

Sostienilo +

Studenti
Guarda tutti i nostri corsi

Insegnanti
Insegna ai tuoi studenti

L'Orchestra del Codice
Chiunque può imparare. Inizia oggi

Ballando col codice
Crea e condividi il tuo progetto di "Ballando col codice"

Oltre 61 milioni di progetti creati in Code.org

Code.org ringrazia i suoi sostenitori

Nostra tutto Sostienici

Infosys Foundation USA, Microsoft, Facebook, Amazon, Ballmer Family Giving, Google, Vista Equity Partners, Omidyse Network, Ali and Hadi Partovi, PricewaterhouseCoopers, Bill and Melinda Gates Foundation, Feroz and Erica Dewan, Quadrivium Foundation, Jeff Wilke, John and Ann Doerr, Planlight One, Sean Parker, Jeff Bezos, Drew Houston, Salesforce, Linda and Glenn Greenberg, Alfred Lin, Elizabeth Tang and Ben Smith, Verizon, BlackRock, Chan Zuckerberg Initiative, Charlie Lee, Nathan and Elizabeth Blecharczyk, AT&T, Reid Hoffman, Bill Gates, The Marie-Josée and Henry R. Krawls Foundation

Italiano

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Language
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Create Sign In

The Hour of Code is coming...

Dive into machine learning with AI for Oceans

Join us

Try it

Go further with [Code.org courses](#)

Every student in every school should have the opportunity to learn computer science

40% of U.S. students have accounts on Code.org	20M of our students are young women	61M projects created on Code.org	1M teachers use Code.org	50 All 50 states support computer science
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<h3>Students</h3> <p>Explore our courses</p> <ul style="list-style-type: none">Try Code StudioFind a local classOther online courses	<h3>Educators</h3> <p>Teach your students</p> <ul style="list-style-type: none">Elementary schoolMiddle schoolHigh school	<h3>Hour of Code</h3> <p>Anybody can learn. Start today</p> <ul style="list-style-type: none">About the Hour of CodeHost an Hour of Code835,274,092 served	<h3>Get involved</h3> <p>Support diversity in computing</p> <ul style="list-style-type: none">See the statsBring CS to your schoolT-shirts, hats, & more
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Over 61 million Code.org projects created

Home Page in English language



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50

All 50 states support computer science



Students

Explore our courses

Try Code Studio

Find a local class

Other online courses



Educators

Teach your students

Elementary school

Middle school

High school



Hour of Code

Anybody can learn. Start today

About the Hour of Code

Host an Hour of Code

835,274,092 served



Get involved

Support diversity in computing

See the stats

Bring CS to your school

T-shirts, hats, & more

Over 61 million Code.org projects created



Click on "Sign in" button



To get started, you must have a personal account.

If you don't have one, then you have to create it.

[Learn](#)[Teach](#)[Projects](#)[Stats](#)[Help Us](#)[About](#)

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Password

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[Create an account](#)

Enter your 6 letter section code

Section Code (ABCDEF)

[Go](#)

[Continue with Google](#)

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[Continue with Microsoft](#)

OR

Want to try coding without signing in?



Dance Party

Featuring Katy Perry, Shawn Mendes, Panic! At The Disco, Lil Nas X, Jonas Brothers, Nicki Minaj, and 34 more!



Minecraft

Use your creativity and problem solving skills to explore and build underwater worlds with code!



AI for Oceans

Learn how AI and machine learning can be used to address world problems.



Flappy Code

Wanna write your own game in less than 10 minutes? Try our Flappy Code tutorial!





Choice Account Type
between:

Student and Teacher

Obviously, choose:
«Teacher»

Then, complete the
form

 [Learn](#) [Teach](#) [Projects](#) [Stats](#) [Help Us](#) [About](#) [Create](#) [Sign in](#) 

Sign up for Code.org

Sign up for an account to track your progress or manage your classroom. [You can browse the various stages and puzzles](#) without an account, but you will need to sign up to save your progress and projects.

Already signed up? [Sign in](#)

Account Type

Email *

Password

Password confirmation

Display Name (e.g. Cool Coder or Jane S.)

Age

Gender (optional)

I agree to the [Terms of Service](#) and [Privacy Policy](#). If I am under 13 years of age, I confirm that I have my parent or legal guardian's permission to use the Code.org services.

I agree to using a website based in the United States. Data from my use of this site may be sent to and stored or processed in the United States.

[Sign up](#)

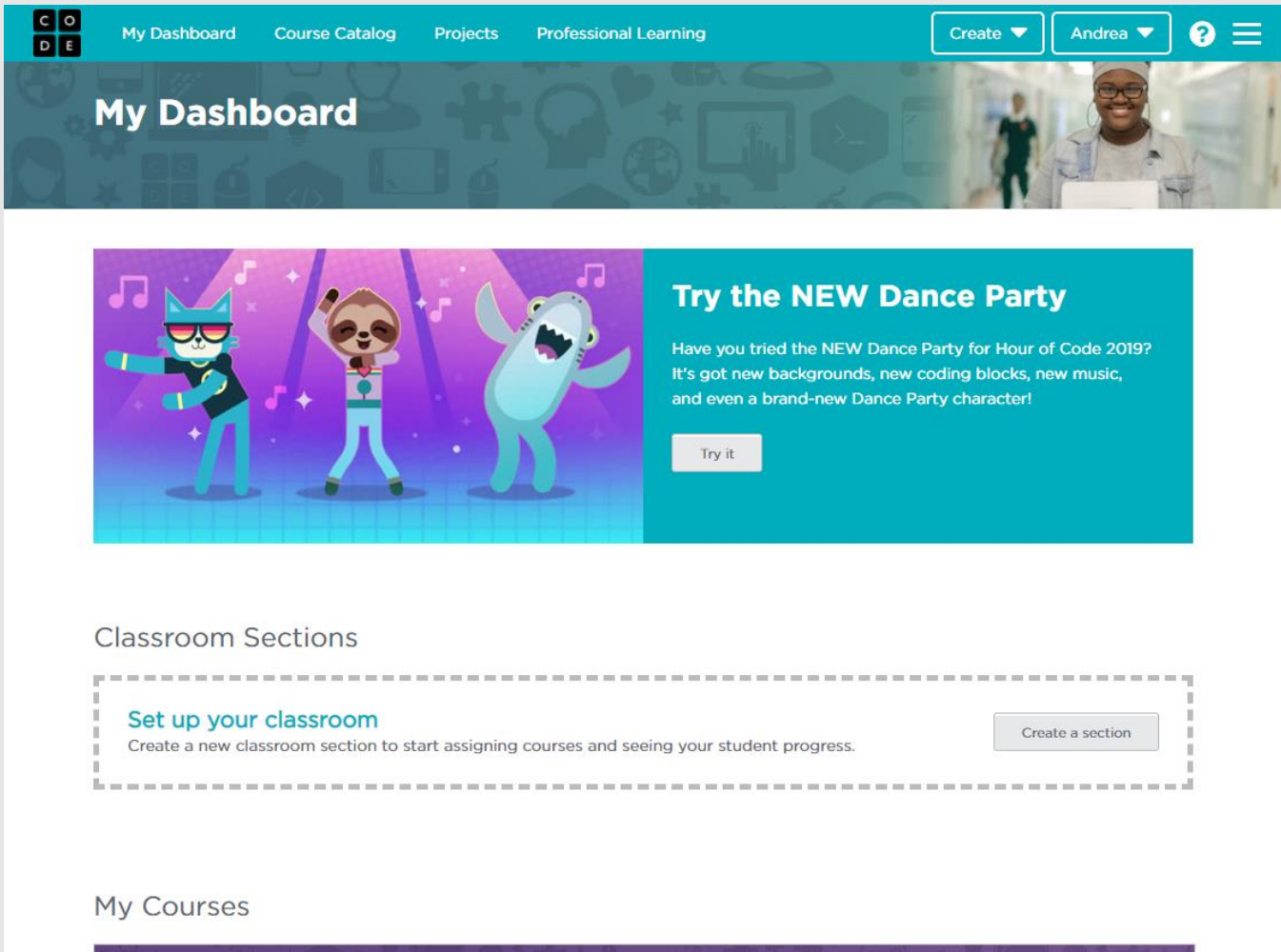
OR

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*
Email addresses are not stored in a form that allows us to contact students. Students will never receive emails from Code.org except for password recovery. See [our privacy policy](#) for more details.



In this page, «**My Dashboard**», you can:


1. Create and Set up your classroom
2. Access to your «My Courses» section
3. Access to Resources section
4. Access to Your Projects section
5. List and access to Classroom Sections You're Joined



Now...

let's try together to:

- 1) create a Personal Account
- 2) create a Classroom
- 3) find a course (Assigning a course to your classroom or starting your own course)

 Please, follow me through your internet browser (Google Chrome). We will do a short practical tutorial together



Good Job!



Andrea Calio

"This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein."