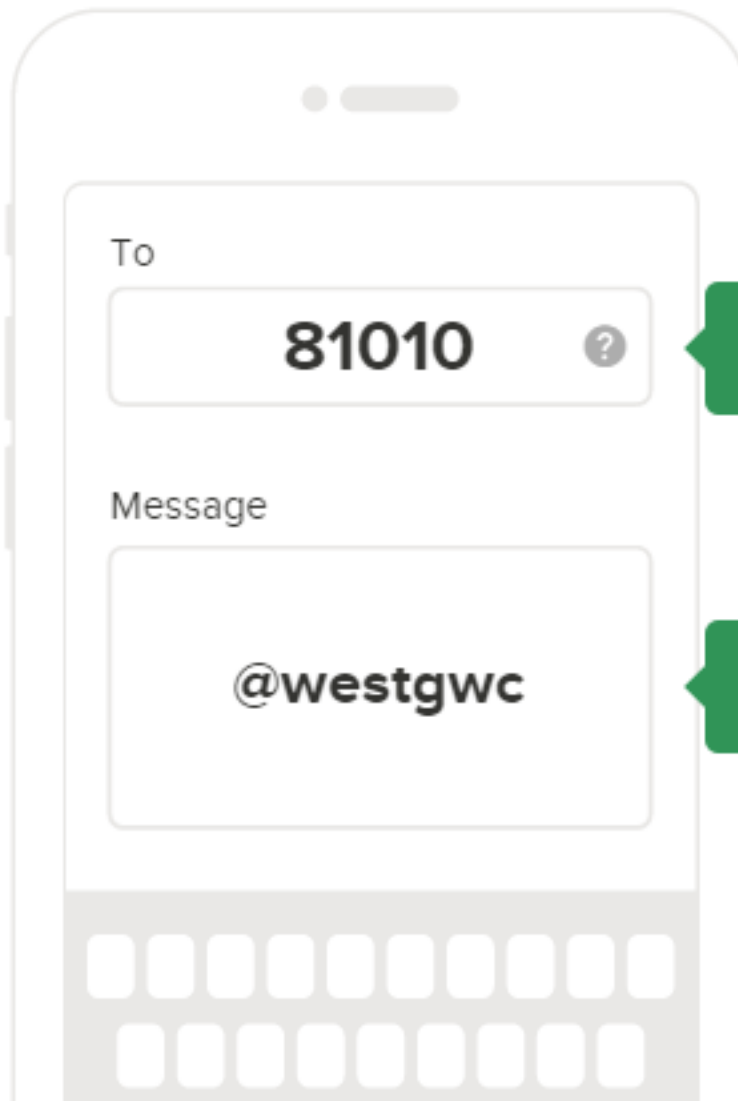


girls who  
code

Club Overview

(Get Excited!!!!!!)

# Join Remind to get updates on meetings!



The illustration shows a smartphone screen with a text entry form. The 'To' field contains the number '81010' and a question mark icon. The 'Message' field contains the text '@westgwc'. A keyboard is visible at the bottom of the screen.

To

81010 ?

Message

@westgwc

**Enter this number**

Students and parents use this number to join your class. Your personal number is never shared.

**Text this message**

Students and parents use this unique code to join and receive messages from Girls Who Code.

# **Girls Who Code Website**

[www.unit5.org/gwc](http://www.unit5.org/gwc)



## Agenda

- I. Introductions
- II. What is Computer Science
- III. What is Girls Who Code?
- IV. What will you do at Girls Who Code
- V. Activity



# Introductions!



# What is Computer Science?

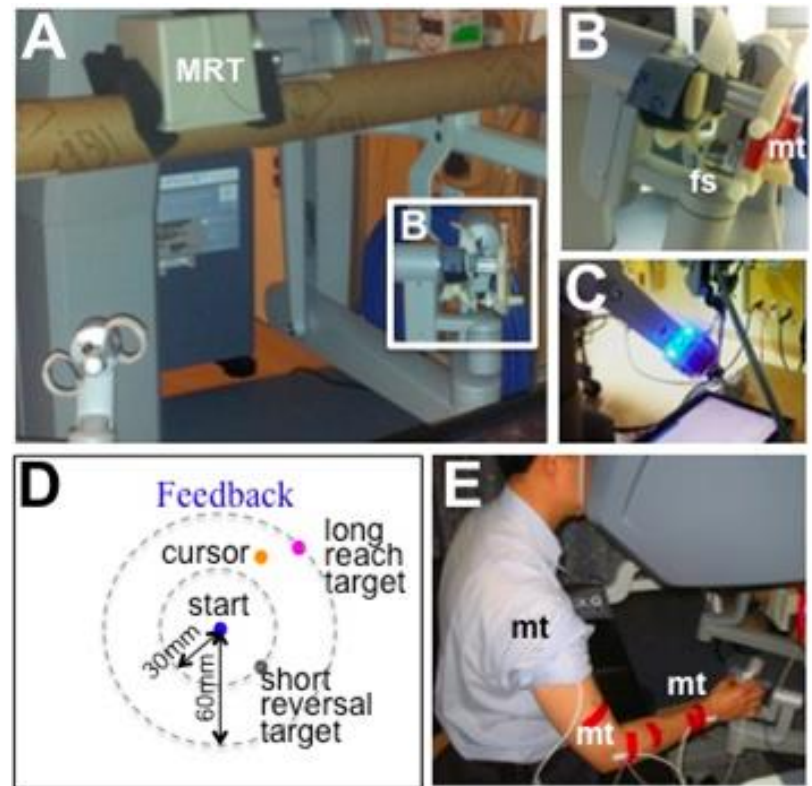
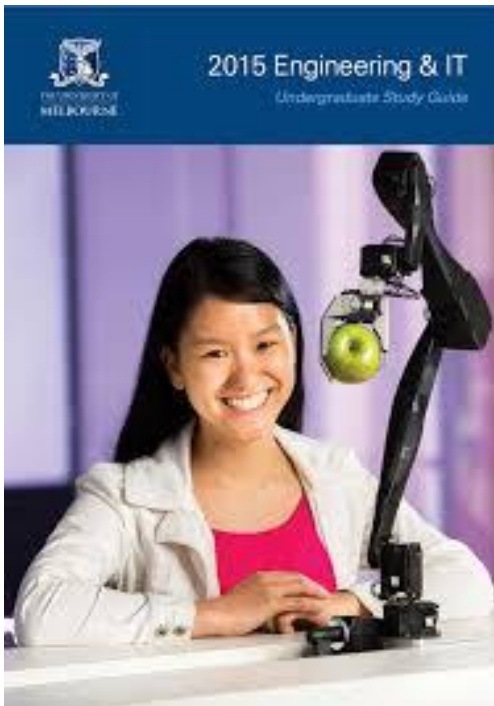


# What is Computer Science?

Solving problems with computers!

## Interested in solutions in medicine?

You can study computer science!



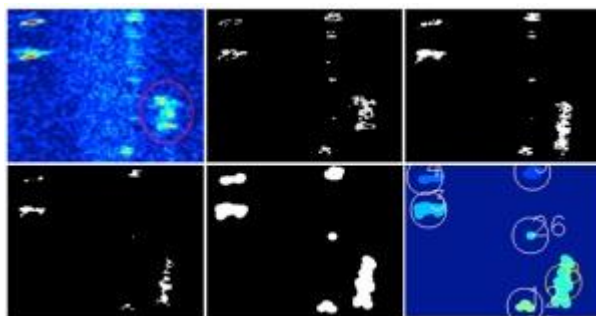
## Want to help end world poverty?

You can study computer science!



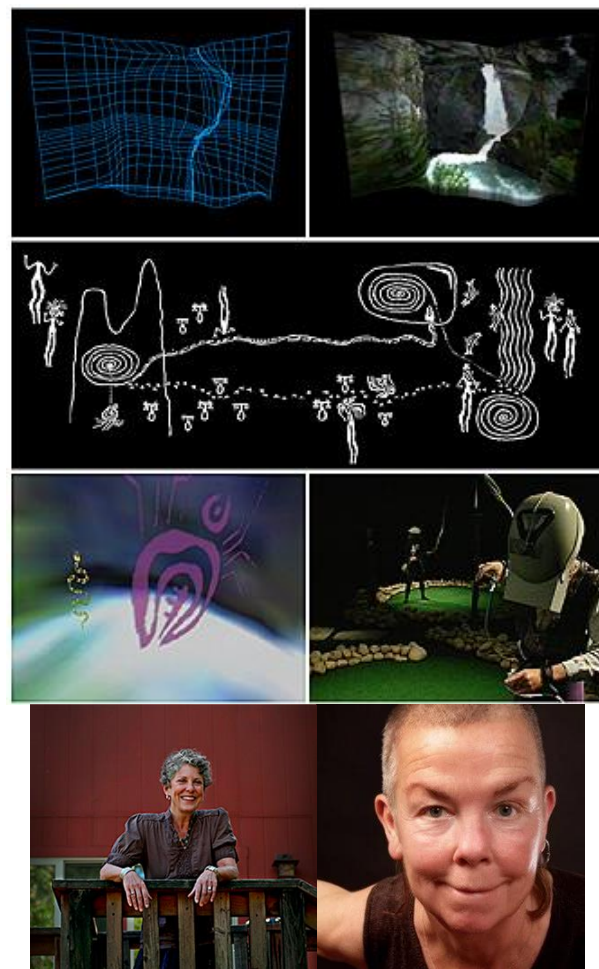
## Curious about new worlds?

You should study computer science!



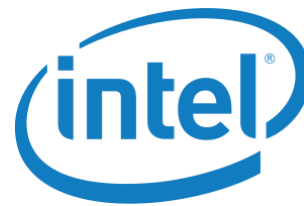
## Passionate about art?

You should study computer Science!

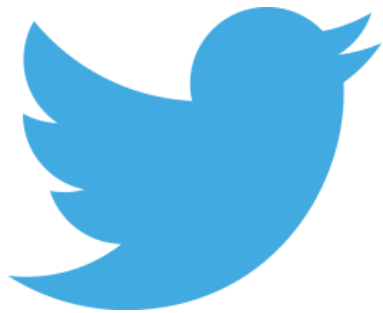


girls who  
code

What is Computer Science?



Microsoft



XBOX 360™

YAHOO!



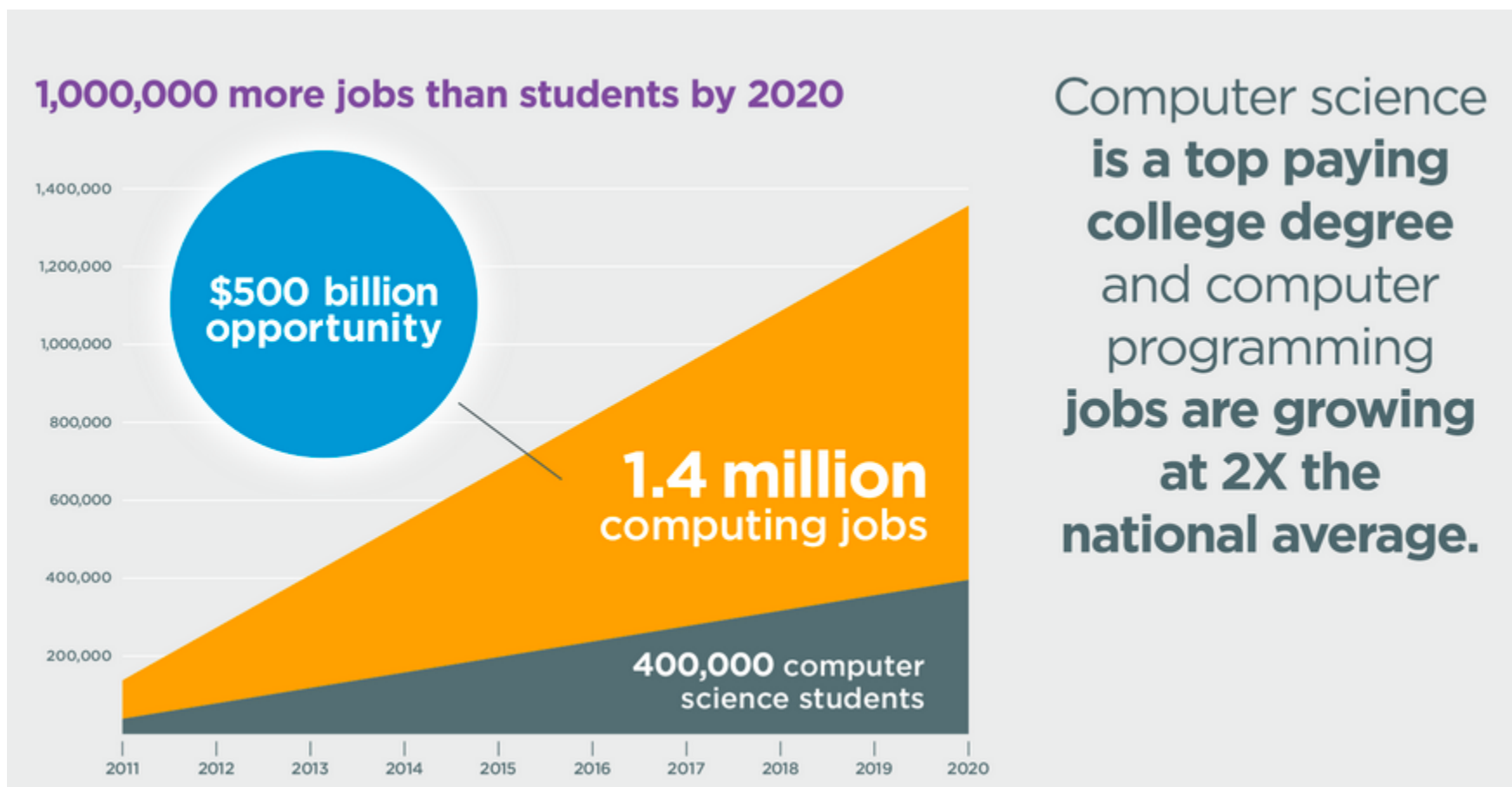
P I X A R

A N I M A T I O N S T U D I O S



## Perks of studying Computer Science

There are lots of job openings (image from code.org)



# Perks of studying Computer Science

Software Engineers make a lot of money



Solving problems with computer science means...

- Starting with an **idea!**
- Thinking about the solution through **abstraction**
  - How do we translate our idea into concepts used in computer programming?
- Developing an **algorithm**
  - What are the steps the computer has to take to solve the problem?
- **Coding!**
  - Implement the algorithm!

## Code in Programming Languages!

A **programming language** is written text that computers can interpret & run.

All programming languages:

- Run in a given order
- Remember things
- Can repeat things
- And make choices

Any programming language can be learned if you remember these 4 things!



What is Girls Who Code?

## Our Mission

Girls Who Code programs work to **inspire, educate,** and **equip** girls with the computing skills to pursue 21st century opportunities.





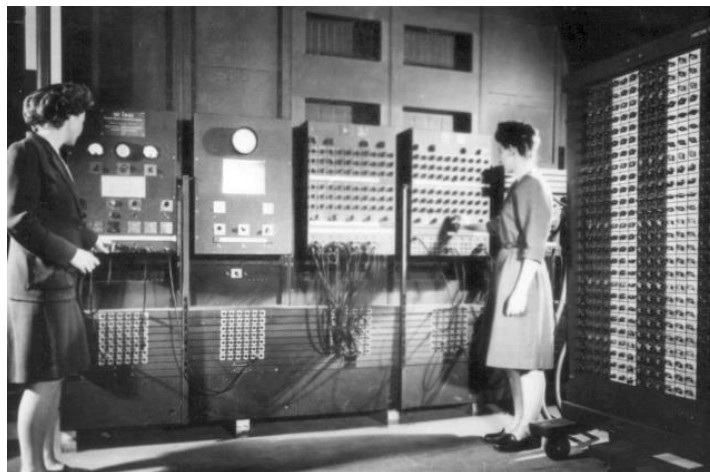
What is Girls Who Code?

## Girls Who Code Welcome Video

Watch the Girls Who Code welcome video [here](#)!

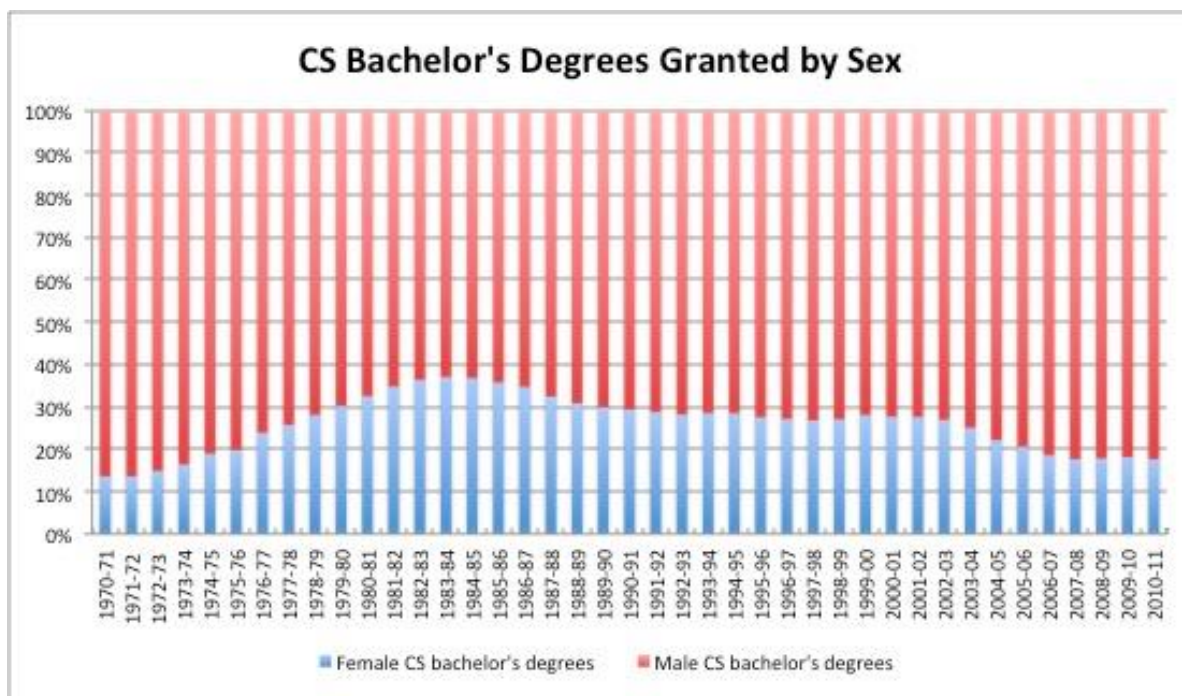
## The first programmers were women

- [Ada Lovelace](#) wrote a program for Charles Babbage's mechanical computer
- [Kathleen McNulty Mauchly Antonelli](#), [Jean Jennings Bartik](#), [Frances Snyder Holberton](#), [Marlyn Wescoff Meltzer](#), [Frances Bilas Spence](#) and [Ruth Lichterman Teitelbaum](#) programmed the ENIAC, the first electronic computer.
- [Grace Hopper](#) invented the compiler, which allows us to program in English rather than 1s and 0s



## Women now make up a smaller percentage...

- In 1984, women made up 37% of CS majors, now women are down to 17%
- Only 10% of high schools teach CS, but of programmers with CS Majors at Google 95% had studied CS before college.



## Stereotype Threat

- **What it is?** The threat of being at risk of confirming--as self-characteristic--a negative stereotype about one's group
- **How can it affect us?** Feeling stereotyped can be a huge source of social stress.
- **Who is stereotyped?**
  - We're all at risk for being stereotyped!
- **If you ever feel these things, know you're not alone!**
- The fewer people you identify with in a group, the more stereotype threat might affect you

## Impostor Syndrome

- Feeling “not good enough” despite evidence of otherwise.
- Usually, people with impostor syndrome have higher expectations for themselves than others.
- Ways to help get past it
  - If you feel it, recognize it in yourself!
  - Talk about your feelings with others
- At Girls Who Code, you can find a support network!

## Other organizations diversifying tech!



**ACM Richard Tapia  
Celebration of  
Diversity in Computing**



"EMPOWERING Communities Through Engineering &  
Computer Science Education."



**Little Code Ladies**





# What You'll Do at Girls Who Code



## What You'll Do at Girls Who Code

- Build amazing things!
  - Stories
  - Art
  - Web Pages
  - Mobile apps
  - Video Games
- Get to know awesome people!
- Start your journey towards achieving your dreams!



You will be learning real programming languages used by software engineers!



Most importantly, you will build a family.



The people @ **GWC** can help you find jobs or internships & **support you** through your academic and professional development.



# Media Release / Parental Consent

You will receive a packet that contains the  
**Media Release and Student Enrollment** forms.

Please have your parent(s)/guardian(s) visit the  
webpage (it is included in the packet!) to fill it out

Ask your family to submit these documents no later  
than 3 days before our next class

**by Sept 9, 2016**



# Coding Activity!

Program the Ollie to make a square.

Closing

Learning is hard!

So learning how to program can be hard, too!

Each person:

- **Share** one thing you found hard
- Anyone else who found this hard at one point, too, **clap**
- Share how you **overcame** the hard problem



It's going to be awesome!!!!!!