A decorative graphic featuring a large, light blue dashed circle that frames the central text. Various solid-colored circles in shades of teal, green, yellow, orange, and pink are scattered around the perimeter. Some circles are solid, while others are dashed outlines. The overall style is modern and clean.

CS-LISTEN
Equitable
Computer Science
in your school



Today's Agenda

1. Check-In
2. What is Computer Science?
3. What is CS LISTEN?
4. What is Equity?
5. Next Steps

UCSD Does: Mini Lesson & Activity (5 minutes)

Check in:

With your “device-buddy” :

- 1) Introduce yourselves (name and grade)
- 2) Answer the following question: What’s your favorite animal, and why?
- 3) We will share in 4 minutes.

UCSD Does: Mini Lesson & Activity (5 minutes)

Check In Share Out:

- 1) Type your group's favorite animal(s) into the chat box --DO NOT PRESS ENTER (Yet);
- 2) When we count down to zero press enter to share your responses.

What is Computer Science?



Computer Science → CS



When you think of Computer Science,
what or who do you think of?

Brainstorm for 1-2 minute(s) with your
“Device buddy”

Type the first 2-3 words that come to
mind into the chat.

A photograph of a power transmission tower against a bright, hazy sky.

ENERGY

A photograph of four high-heeled shoes in different colors: yellow, orange, pink, and red.

FASHION

A close-up photograph of a doctor's hand holding a white syringe.

MEDICINE

A photograph of a woman with dark hair wearing a black hijab, sitting and talking.

**COMPUTER SCIENCE
IS
CHANGING
EVERYTHING**

A photograph of a police officer in a dark uniform looking at a handheld device.

PUBLIC SAFETY

A close-up photograph of a hand dropping a small yellow seed into dark soil.

AGRICULTURE

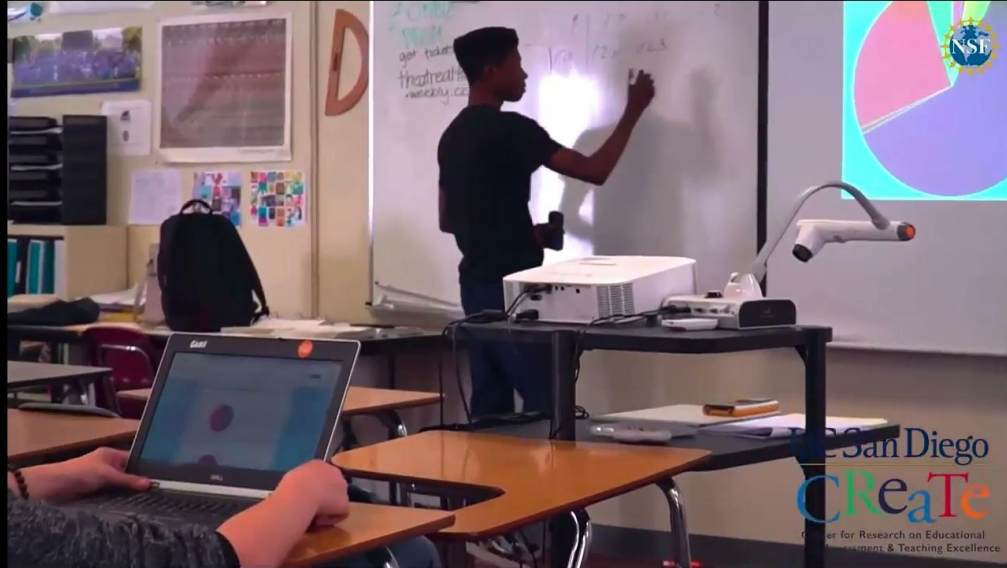
What is CS LISTEN?





Project aim:

- To better understand the factors that influence underrepresented students' engagement with computer science.
- Student co-researchers from 4 high school districts will lead LISTEN's work to make CS equitable by increasing CS engagement of underrepresented students.



San Diego
CRaTe
Center for Research on Educational
Technology, Assessment & Teaching Excellence

Understanding the Problem



1. Choose a Research Question

2. Determine the methods

**CS-LISTEN
Student
Co-Researchers
(SCR)
Cycle**

3. Design tools

4. Collect Data

5. Conduct Analysis

Present Findings:
**CS LISTEN Up
Conference:**
TBA

Educators'
Action Cycles

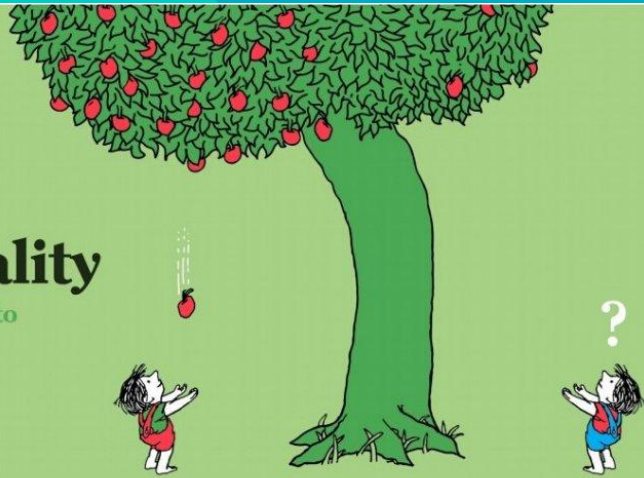


What is Equity?



Inequality

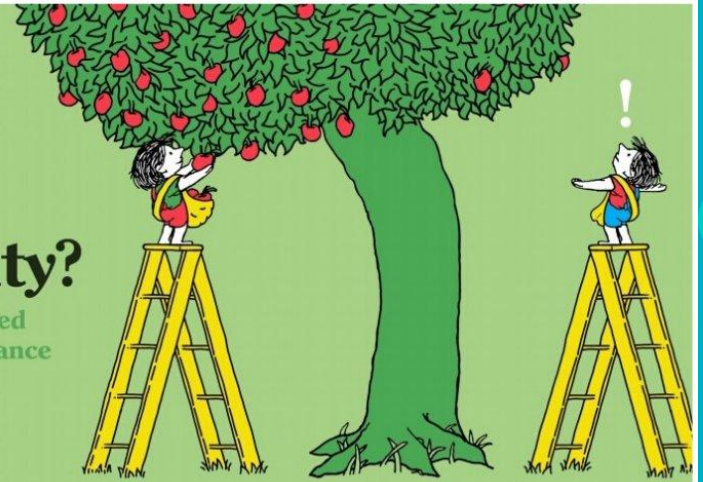
Unequal access to opportunities



2019 Design In Tech Report | "Addressing Imbalance" Illustrations by @lunchbreath

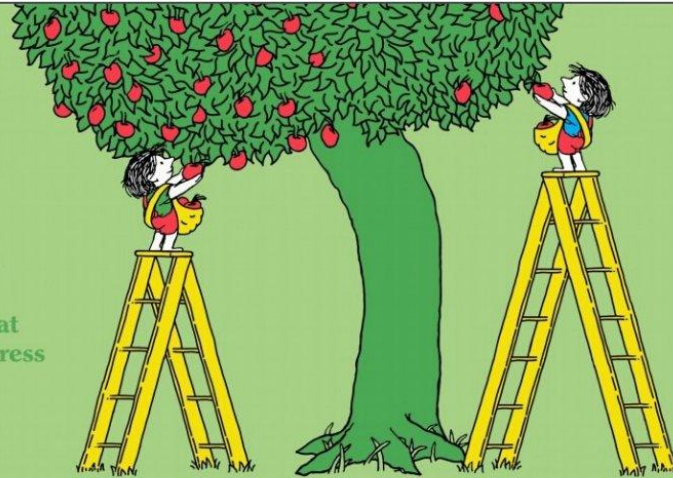
Equality?

Evenly distributed tools and assistance



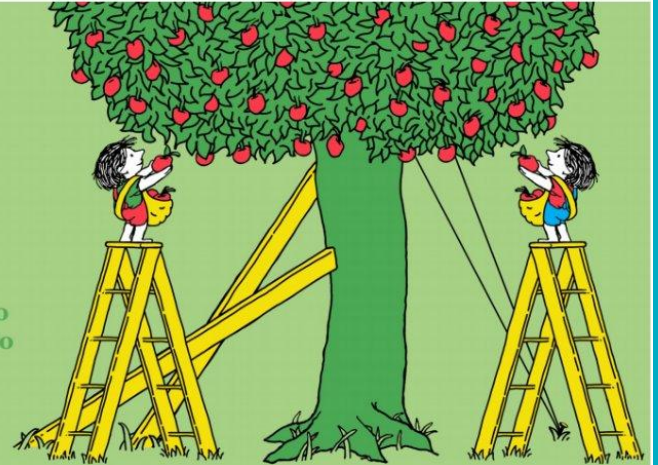
Equity

Custom tools that identify and address inequality



Justice

Fixing the system to offer equal access to both tools and opportunities



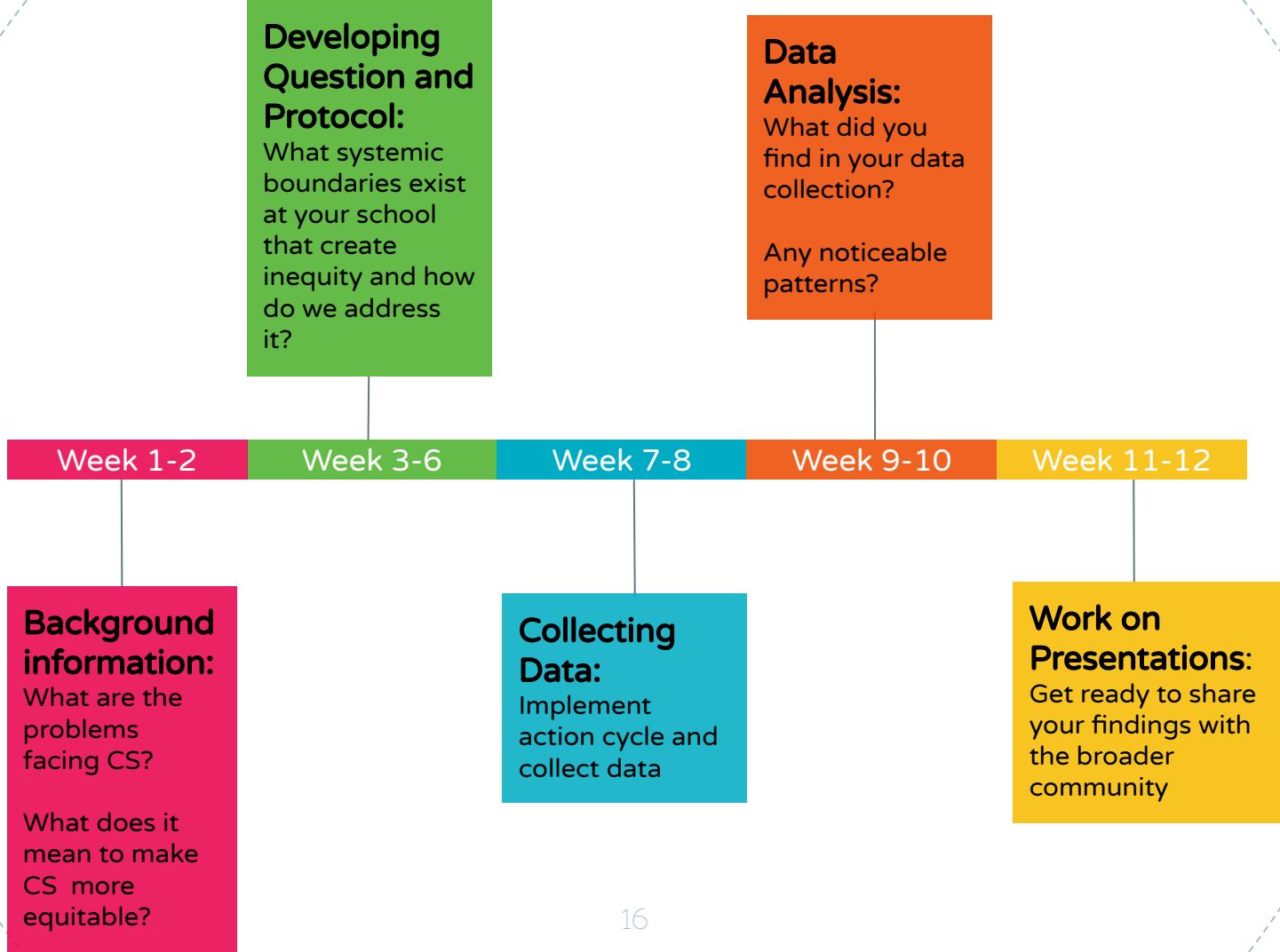
2019 Design In Tech Report | "Addressing Imbalance" Illustrations by @lunchbreath

Using the image on the previous slide:

- 1) Break into groups of four
- 2) Each person picks a square and takes a moment to look at his/her/their image. (1-2 minutes)
 - a) **Think** about what is happening in the picture and consider the two children's *access* to the apples.
 - i) **What seems fair or unfair about the image?**
- 3) **Share** out what you noticed/thought about with your group.
 - a) Start with Inequality (inequality→equality→equity→justice)
- 4) **You will have 15 minutes for this activity.**

Part 2: equity vs. equality (10 MINUTE DISCUSSION:

1. Think about a time in your life when something happened to you or to someone else that was UNEQUAL?
2. Can you think of a time where you or someone else went out of their way to make things EQUAL?
3. Think about a time in your life when something happened to you or to someone else that was INEQUITABLE?
4. Can you think of a time where you or someone else went out of their way to make things EQUITABLE?





Check for Understanding

- ◎ What is CS?
- ◎ What is equity?
- ◎ What is individual and systemic equity?



Next Steps

- ◎ **Details about the Project**
 - ◉ Weekly meetings for est. 10 weeks
 - ◉ Presentation around May 2022
- ◎ **Next meeting date & time!**
 - ◉ Dig into CS data!
 - ◉ Start brainstorming Research Questions