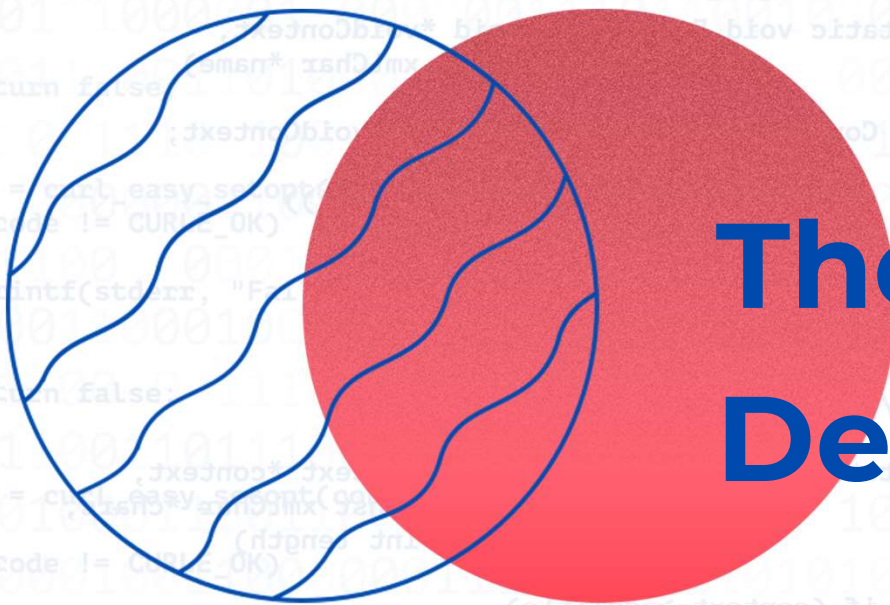


allgirlscōde



# The Ethics Debate

allgirlsc0de

# ICEBREAKER

# BINGO

## GAME RULES

- In each scenario, an ethical topic is mentioned.
- Cross off two related words from your bingo sheet.



# BINGO

## - QUESTION -

### ROUND 1

You find personal data of classmates on a shared computer.

**- ANSWER -**

1. Data Privacy
2. Cybersecurity



# BINGO

- QUESTION -

## ROUND 2

A friend copies a science project from the internet and asks you to help.



# BINGO

- ANSWER -

## ROUND 2

1. Plagiarism
2. Accountability



# BINGO

## - QUESTION -

### ROUND 3

Your experiment results didn't turn out as expected, and you're tempted to change them.



# BINGO

- ANSWER -

## ROUND 3

1. Scientific Accuracy
2. Ethics in Research



# BINGO

- QUESTION -

## ROUND 4

You see a classmate being bullied on social media platforms.

# BINGO

- ANSWER -

## ROUND 4

1. Online Safety
2. Cyberbullying





# BINGO

## ONE WORD IS LEFT INCLUSION

Let us take a moment to highlight the importance of inclusion in STEM.

By ensuring **equal opportunities** and **representation**, we empower the next generation of female leaders and problem-solvers in science and technology.

*Together, let us make a*

*change*



# Session plan

**1**

**Intro**

**2**

**Formulating  
Ethical  
Arguments**

**3**

**The  
Debate**

allgirlscode

# Definition

What do we mean when we refer to “ethics”?

- It involves the philosophical study of what is morally right and wrong, and how we make decisions about different issues
- It derives from the word “ethos” which links it to moral beliefs, attitudes and habits
- It can sometimes be subjective depending on the group a person belongs to or his/her personal viewpoint





# allgirlscode

# Importance

## Why talk about ethics?

- With the development of AI and companies trying to better tailor our experiences with their apps, privacy terms are being updated, Apple Intelligence for example.
- With the overall development of technology and science, we are trying to solve problems once deemed out of our reach, using genetic modification for instance.

Even though these updates seem to be broad and mostly positive, they can impact us more than we think. That is why it is always important to stay curious and verbally express our opinion about changes.



allgirlsc0de

# How to Formulate an Ethical Argument



It only takes **4 STEPS** to build a strong and convincing moral argument!

# STEP 1 - Identify the Issue

★ Clearly define the ethical dilemma or question:

- Understand the Context

★ “A company considering laying off employees to save costs.”

- Pinpoint the Conflict (there is two opposing sides)

★ “Job security vs. financial sustainability of the company”





## STEP 2 - Consider Multiple Perspectives

### Look at the issue from various viewpoints:

- Individual vs. Societal Impact

“Employee's financial stability vs Community's economic health.”

- Short-term vs. Long-term Consequences

“Cost savings for the company vs Potential reputational damage and loss of employee morale.”

## STEP 3- Supporting with Principles

### Consider what each ethical principle would support:

- Utilitarianism

*What gives the most happiness to the most people*

- Deontology

*What follows the rules and supports your duties the most*

- Value ethics

*What someone with the ideal traits and virtues would do*

# STEP 4 - Addressing Counter Arguments

**Think of potential objections on your stance:**

“What would other principles say?”

“What is the weakest point of my argument?”

“What are the most common counter arguments?”

**Consider how to address them:**

Find concessions when appropriate



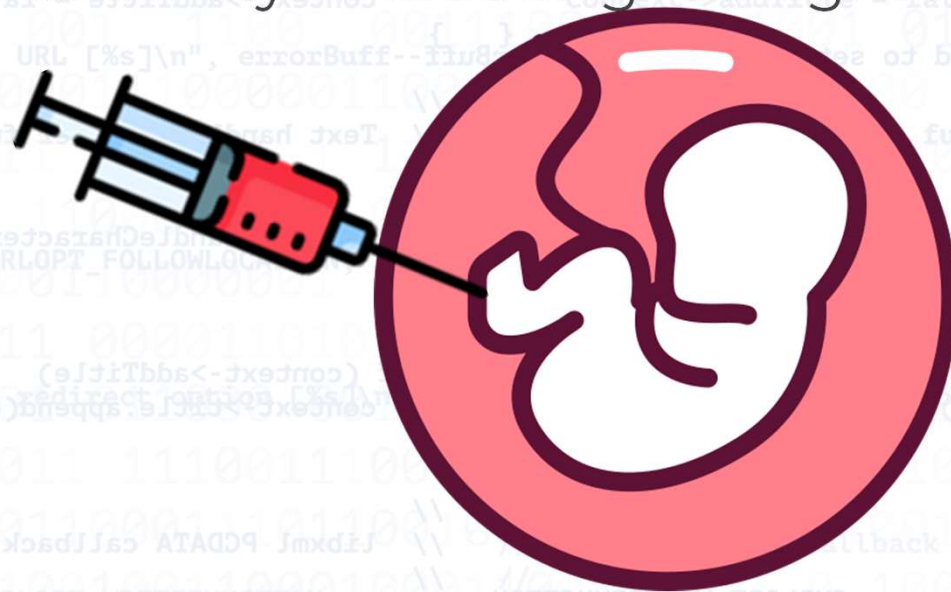
allgirlsc**o**de

# Debate Questions

What would you do?



1. ✨ Is it ethical to genetically modify embryos to prevent diseases, given the potential for unforeseen consequences and the possibility of creating "designer babies"?

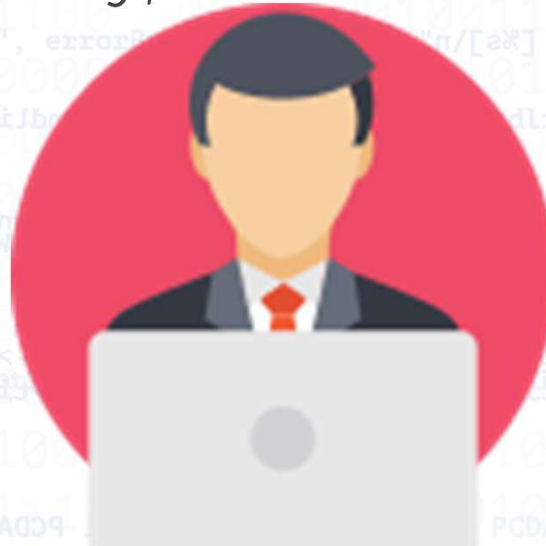


2. ✨ Should autonomous vehicles be programmed to prioritize the safety of passengers over pedestrians, or vice versa, in unavoidable accident scenarios?





3. ✨ Should employers have the right to monitor employees' digital activities and communications to ensure productivity, even at the cost of privacy?



4. Is it ethical to conduct large-scale surveillance of public spaces to prevent crime, given the potential compromise of individual freedoms?



## 5. ✨ Is it ethical to use people's data to customize advertisements on Instagram?

