

# Teach For All

A Global Network



## Artificial Intelligence (AI) in the Classroom

*Student activity #1 - Navigating AI: Principles, Applications, and Ethics*

# Welcome to

## Introduction to AI and its role in our lives



### Brief Group Conversation

- Briefly discussing the basics of AI
- Share examples of how AI plays a role in our lives
- Understanding the right and wrong way to use AI

# Artificial Intelligence: What is the deal?

## Objective

Understand the basics of AI and the role it plays in our daily lives. Students also get a chance to discuss the ethical issues of AI and how it impacts the things around us

## Basics of IA

- Listen to the audio of these two clips. Which do you think is Justin Bieber AI and which is really Justin Bieber?



[Audio 1](#)



[Audio 2](#)



## Basics of IA

*What are some of the examples of AI you have seen?*



### Prompt

- Let's discuss. Besides making Justin Bieber sing better, where have you seen AI being used in your everyday lives?



## AI in your life

- AI-powered personal assistants, like Siri and Alexa, make daily tasks easier and provide relevant information through voice commands.
- Content recommendations on platforms like Netflix, TikTok, and Instagram
- Predictive text and auto-correction features in messaging apps improve typing speed and accuracy, anticipating the user's next word based on context.



# What is AI?

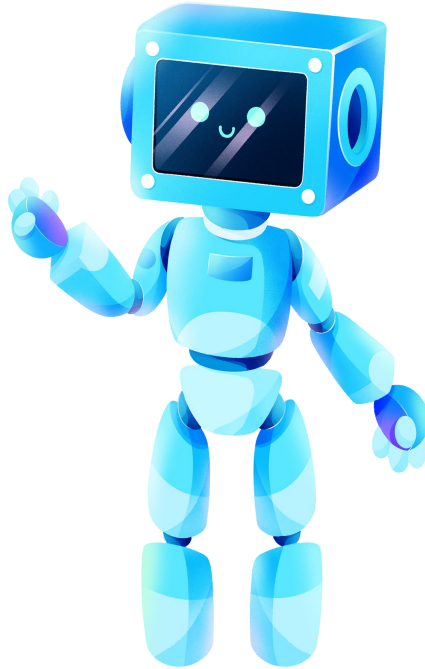
Chatbots

Smart assistants

E-Payments

Search algorithms

Media streaming



Smart cars

Navigation apps

Facial recognition

Text editors

Social media feeds

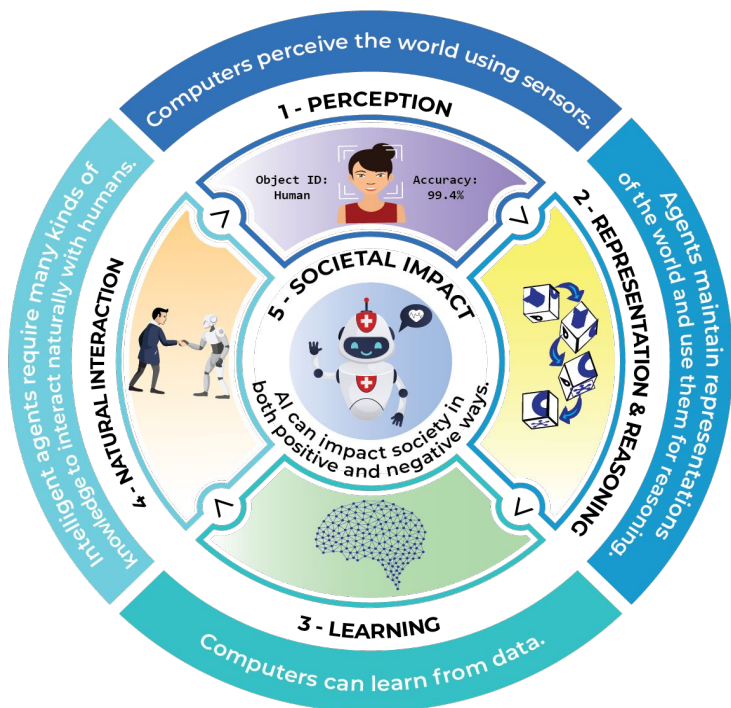
## What is not AI?

- Alive
- Smarter than us
- Killer robots
- Only for geniuses
- Only for people in tech cities
- Always physical. It is inside our computer software and phone apps





# Five big ideas in AI



1. Perception
2. Representation & Reasoning
3. Learning
4. Natural Interaction
5. Societal Impact

## Why should we care about AI?



- “For You” recommendations - how do they know what you care about?
- Targeted marketing - why does it feel like I see ads after looking up a similar product?
- How does Netflix know what I want to watch?

# AI in Autonomous Vehicles



## AI in Customer Service



## AI in Healthcare



## AI in Education



# Group Conversation

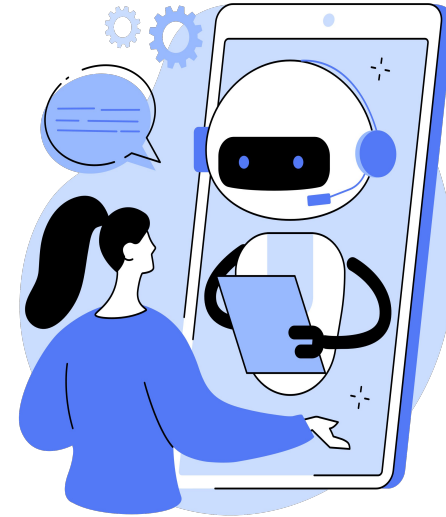


## Prompts

- Based on what you know, how is AI used in education?
- How can AI change the way we learn?

## AI in education- what could go wrong?

- AI taking the “thinking work” out of learning
- Utilizing AI chatbots to provide answers during exams or assignments.
- Creating AI-generated content to submit as original work.



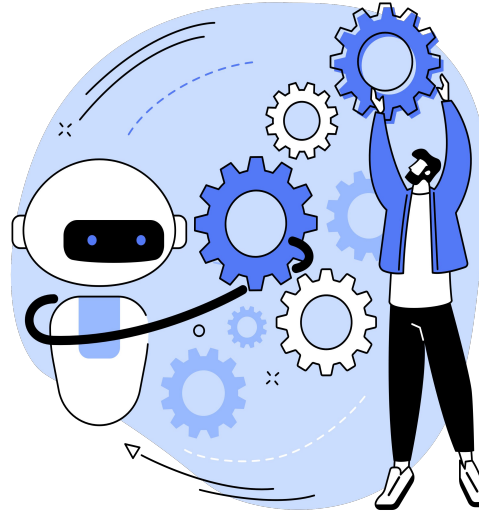


# Ethics and considerations in AI

AI technologies can improve efficiency and accuracy in various tasks

AI has the potential to enhance decision-making processes in complex scenarios

AI applications can lead to significant advancements in healthcare, safety, and other sectors



Privacy breaches and data misuse are major concerns in AI development

Bias in AI algorithms can lead to unfair treatment and decision-making

The potential for AI to replace human workers raises ethical concerns about employment and income inequality

## Why is bias a problem?

- Let's consider a smart toy that decides which activities to suggest based on a child's behavior. If the toy recommends only sports for boys and arts for girls, that's a biased suggestion.
- This bias may stem from historical data that the toy's AI system was trained on, reflecting societal stereotypes. It's important to ensure AI systems are trained on diverse and inclusive data to avoid such biased outcomes.
- Why is this a problem? How else might bias in AI create a problem?

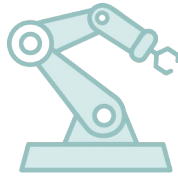


# What should we do?



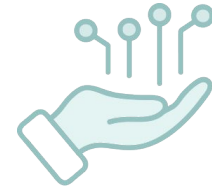
## **Banning AI vs. Regulation**

Some argue for the complete ban of AI to prevent potential risks and ethical dilemmas. Others advocate for strict regulations to control its development and use. Alternatively, many support the full embrace of AI, highlighting its numerous benefits and the importance of advancing technology.



## **Benefits of Embracing AI**

AI has the potential to enhance efficiency, accuracy, and innovation across various industries. Embracing AI can lead to significant technological advancements and improved quality of life.



## **Finding the Balance**

Addressing the negative aspects of AI requires thoughtful consideration and potentially a combination of banning certain applications, implementing regulations, and actively promoting ethical AI practices. It is essential to carefully balance the risks and benefits of AI technology.

# Group Conversation



## Prompts

- What are you thinking now about AI?
- How will you use AI in your daily lives?

# Thank You

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