What is Artificial Intelligence (AI)?

The Oxford Dictionary defines AI as the theory and development of computer systems able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.

The AI Education Project defines AI as a system that uses algorithms and data to solve problems by finding patterns, making decisions and creating solutions to meet human-designated goals.

AI SURROUNDS US

- Autocorrect learns your texting habits over time to more accurately fix your mistakes
- Streaming sites like Twitch use AI chat moderation that automatically filters violent or harassing chats
- Language learning apps like Rosetta Stone use AI to automatically personalize your placement test and correct your pronunciation
- Social media apps like Facebook use AI to detect and remove hate speech
- AI-powered drones are used to map out forest fires as well as set preventative fires
- The AI used to create the animate realistic snow in the movie Frozen 2 helped solve the mystery of a deadly avalanche

AI LEARNS FROM DATA

- Data can come in many forms and from many sources
  - Text scraped from internet forums like Reddit
  - Voice recordings when you talk to Siri or Alexa
  - Government records, such as the census
  - Videos uploaded to social media like TikTok
  - Biometric data like your fingerprint or a photo of your face
- Algorithms find patterns in data
  - Example: As you like more and more photos on Instagram, the AI recommender learns what topics you like best. It will continue to adapt over time as you develop new interests and make new connections.
- AI uses patterns in data to make decisions
  - Example: The Instagram AI uses its analysis of your likes and dislikes to choose which new posts to show you, though it never stops learning.

AI LITERACY

We define AI Literacy as the collection of skills and knowledge that a person needs to understand, use, and critically evaluate artificial intelligence.

A person who is AI literate has the ability to use AI tools to function effectively in modern society. They understand AI impacts and make informed decisions, can leverage AI to achieve their goals, and can develop their knowledge and career potential without necessarily understanding the technical details of how AI systems are constructed.