

AI generated ART

AI can also animate pictures or edit animations and videos



An oil pastel drawing of an annoyed cat in a spaceship

AI can draw pictures by getting text prompts



High quality photo of a monkey astronaut

What will happen if AI is more creative than humans? Is it ok for someone to win an art competition if they used an AI to draw the artwork? What if they only took inspiration from the AI artwork?

In the workshop, we used Dalle-2 to create art - did you enjoy it?

You can also use an AI to create art yourself at -

<https://www.craiyon.com> or <https://www.wombo.art/create>

We encourage you to imagine new and exciting futures - with robots, machines, AI, and other smart technologies. Or maybe the future will have even less technology?!

For more information about the PAIZ project, visit:

<https://interact oulu.fi/paiz>



You can also email Dr. Sumita Sharma, University of Oulu, Finland, at sumita.sharma@Oulu.fi. This booklet is designed by Sushmita Vavilala. It is available for non-commercial educational purposes under Canva's Free Content License agreement.

THANK YOU FOR PARTICIPATING!

Participatory AI with Schoolchildren



Technology is not neutral. In the PAIZ project, we examine ways to design fair and equitable technologies in the future. The focus is on future schools, where we imagine future classrooms, teachers, classmates, and friends? Will your future teacher and friends be human or machines? What would you want them to be? Can you think of a future that is 10, 20, or 50 years ahead?

You can watch this video Design Fiction for inspiration:

<https://youtu.be/qmCJhFcAcAM>



What is Artificial Intelligence?

Artificial intelligence (AI) is the ability of a system to perform tasks that require human intelligence, creativity, and reasoning.

With AI, we want to build machines that can

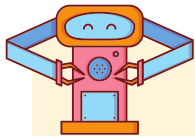
- recognise objects, people, environment (image recognition);
- understand text written, such as, comments on YouTube;
- perform an action in the physical world, through smart robots and other types of machines;
- talk to us to provide information and services, for instance, voice assistants like Alexa, Siri, and Google home;
- play games, create art, and many things!



Can you think - What else should AI do?
What should AI not do - and why not?

Types of AI systems

Robots



Robots are machines that do physical tasks with precision and speed, like robot vacuum cleaners and humanoid robots. But not all robots use AI! Some are only automated for pre-defined tasks.

Recommendation Systems

Recommendation systems are like Google or YouTube, or social media like Facebook and Insta, which use algorithms to decide which content to recommend based on your search, likes, etc.

Algorithmic decision making

Sometimes organisations use algorithms to make complex decisions, such as banks deciding who gets a credit card and who doesn't, or a company deciding whom to hire for a job. This is algorithmic decision making.

Conversational AIs

Conversational AIs include Siri and Alexa (voice assistants) that listen and talk to you to help in your everyday life and text-based chat services that help solve problems and provide information.



Is it a dog or a muffin?



Can you tell which are dogs and which are muffins? In the workshop, we trained an algorithm using Teachable Machines to identify dogs and muffins. What else can you train an algorithm to "see"? Go and explore <https://teachablemachine.withgoogle.com>

We can train algorithms to identify everyday objects, human emotions, and other things. For example, self-driving cars use AI image recognition to see people and objects on the road to drive safely. What happens if there is an accident - who is responsible?

What is not Artificial Intelligence?

Any type of automation, where the tasks are predefined and the system is not learning, is not an AI. For example, following instructions such as if this happens, then do this.

Think about everyday machines - does your fridge or washing machine have AI? How will you find out? Some machines, like a robot vacuum cleaner, might have AI capabilities now but their older models could be without AI.



What about other robots - Do all robots have AI? A robot that is used for specific tasks, does not learn from inputs, and does the same thing over and over again - may not have AI!



Can you think - What else is not AI?
What could have AI in the future?