



Activity 1

What is artificial intelligence? – Part 1

Using your own words, write down what you think is meant by 'artificial intelligence (AI)' in the space below:

Activity 2

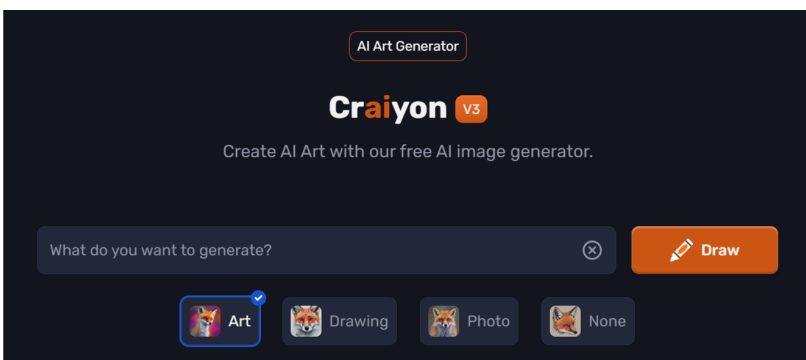
Generative AI

‘Generative AI’ is the term used to describe artificial intelligence applications that can generate content such as images, sound, or text. Your task is to use an online application that uses AI to generate artwork based on the words or prompts that you give it.

Instructions:

- Navigate to the following website: www.craiyon.com
- Use the AI application to generate artwork for either:
 - A poster for the world climate change conference
 - The wall of a café or restaurant

1. Enter words related to the image you want to create



2. Select a style

3. Select “Draw”
to generate art

Whilst using the application:

- Try generating the image again with the same prompts and the same art style. Does it generate the same artwork as last time?
- Try changing your prompts. Does it work better if more or fewer words are used?

Things to think about

Discuss with the person next to you (make notes below on your answers):

Where can you see there being a use or benefit of using AI to generate artwork?

What are the potential issues of using AI to generate art for you?

Activity 3

Computer vision

Computer vision is a field of AI that attempts to gain meaningful information from images. Your task is to use an online application that uses computer vision to attempt to identify the content of the image.

The website below will allow you to choose an image. It will use AI to predict what is in the image.

Instructions:

- Navigate to the following website:
<https://ai-activities.raspberrypi.org/computer-vision>
- Select an image of your choice



Cityscape



Label	Confidence
City	100%
Car ¹	100%
Traffic light ²	100%
Person ³	99%
Tower	77%
Wheel ⁴	76%
Licence plate ⁵	56%

Label	Confidence
Street	54%
Road	54%
Pedestrian	49%
Pedestrian crossing	49%
Bus	47%
Bus stop	46%
Gate	46%

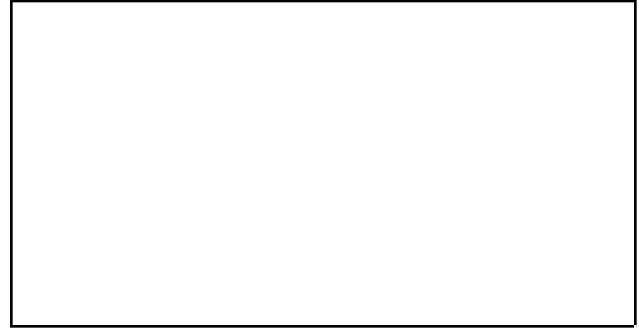
Whilst using the application:

- Why do you think there is a confidence rating? Is that important?
- Why do you think the application is more confident about some elements of images than others?

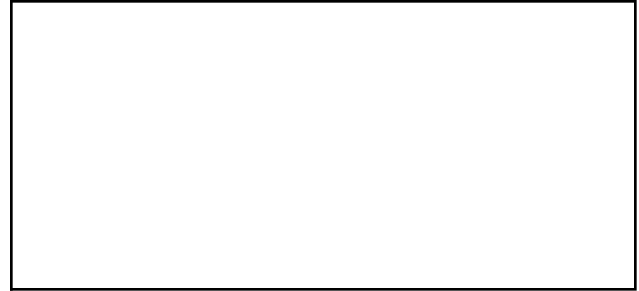
Things to think about

Discuss with the person next to you (make notes below on your answers):

Where can you see this technology being used and who would benefit from it and how?



What might be the problems of being able to automatically identify people and objects in images?



Plenary

AI or not AI?

Look at the examples below and decide if they are AI applications. Make sure that you justify your answers.

Application	AI Not AI Could be AI	Justification
Spreadsheet that uses formulas to work out the total cost of a holiday		
Online streaming service that recommends films based on users' viewing habits		
Customer service chatbot that tries to solve common problems that customers usually have		

What is artificial intelligence? – Part 2

Now that you have started to explore what is meant by 'artificial intelligence (AI)', what would you change about your original description? In the space below, update your description of what is meant by 'artificial intelligence (AI)':



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