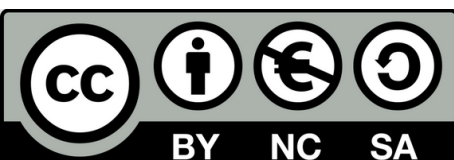


# DEAR FUTURE LEARNING MATERIALS & WORKSHEETS



Co-funded by  
the European Union



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

# **ARTIFICIAL INTELLIGENCE**

**Please draw a line to match each word with it's correct explanation.**

**Robotics**

**The science of making computers learn from data and experiences.**

**Artificial Intelligence**

**The broader concept of making machines capable of intelligent behavior.**

**Machine Learning**

**Teaching computers to know what things are by looking at pictures.**

**Chatbots**

**Getting machines to do tasks automatically, without people needing to do them.**

**Automation**

**Technology that uses machines to perform tasks that humans would typically do.**

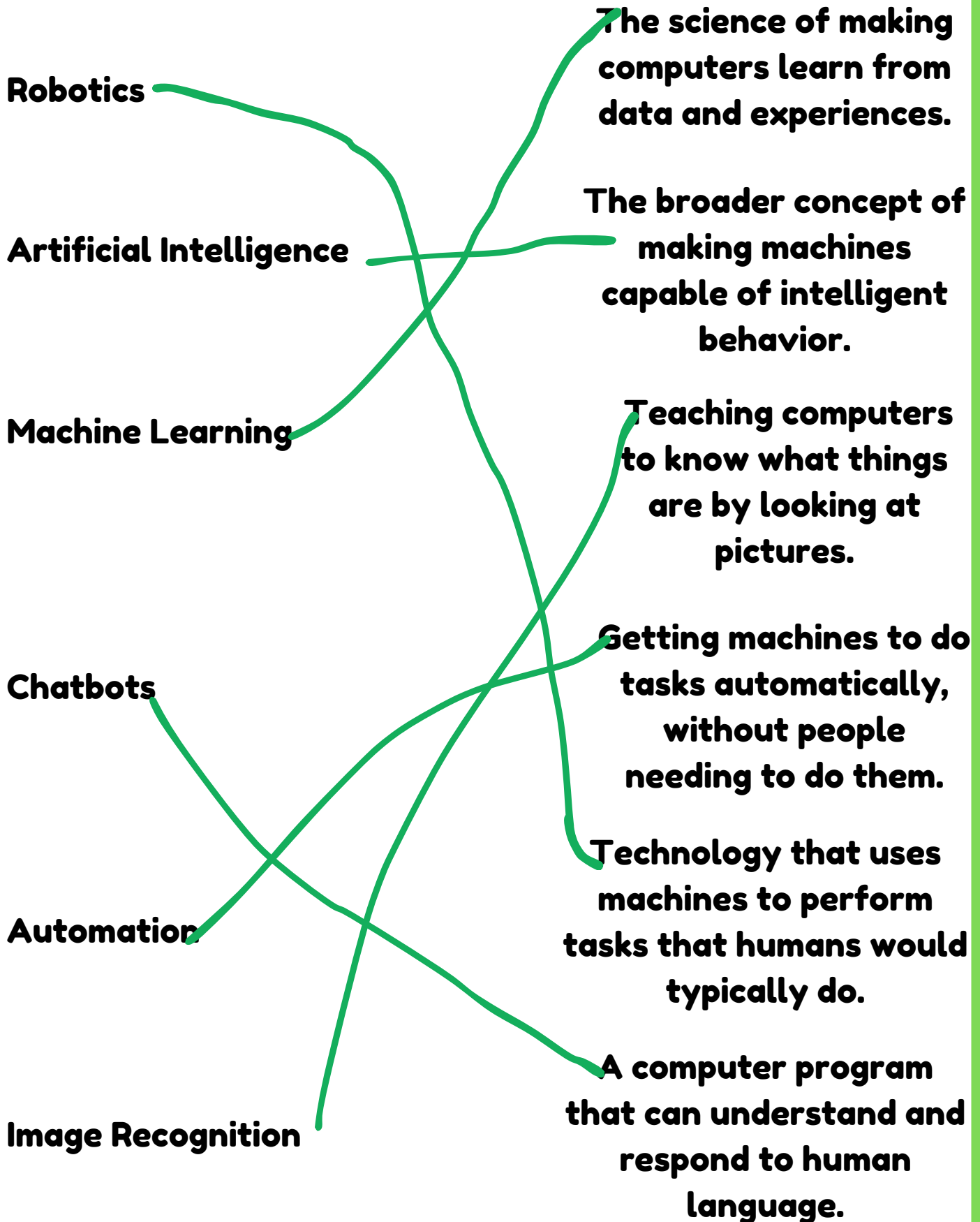
**Image Recognition**

**A computer program that can understand and respond to human language.**

# ANSWER SHEET

## ARTIFICIAL INTELLIGENCE

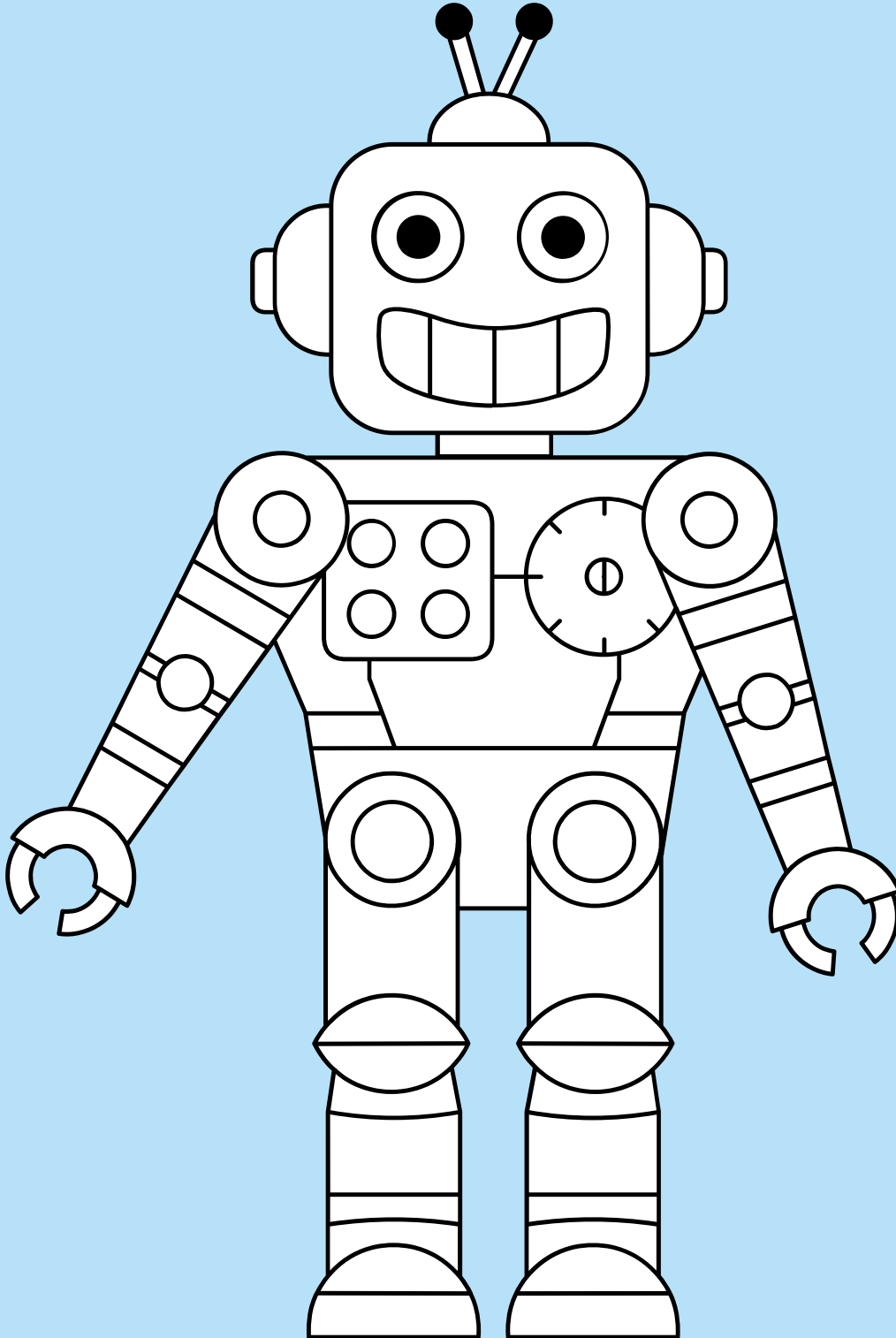
Please draw a line to match each word with its correct explanation.



# ROBOT

## Work sheet

**Instructions:** Use your creativity to color your robot. Give your robot a unique and creative name that highlights its strengths.



ROBOT NAME:



# ARTIFICIAL INTELLIGENCE ADVENTURE ART

## HOMEWORK INSTRUCTIONS



### Draw your AI

Draw a picture of a robot or AI that you would like to have. Think about what your AI looks like and what special features it has.



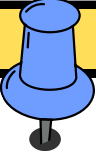
### Label features

Label three features of your robot or AI. Be creative! For example, does it have wheels, arms, or a special screen?



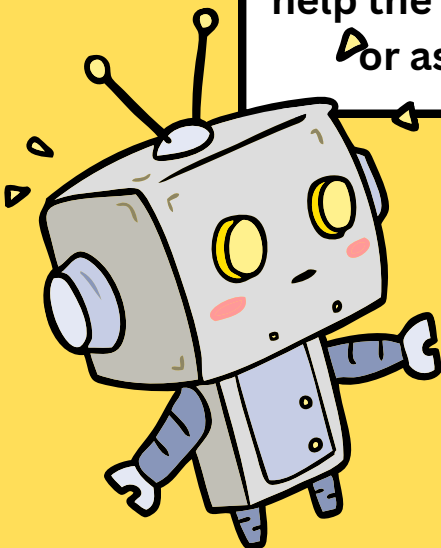
### Describe features

Write a short description of what each feature does. Explain how these features help the AI perform tasks or assist people.



### Share your creation

Take a photo of your drawing and your descriptions. Share this photo with your teacher to show off your creative AI design.





# COOKING WITH ARTIFICIAL INTELLIGENCE



## HOMework INSTRUCTIONS



### Find a Recipe with AI

Use a voice assistant (like Siri, Alexa, or Google Assistant) to help you find a simple recipe. Ask it for ideas on easy recipes you can make at home.



### Gather Ingredients

With the help of an adult, gather all the ingredients you need for the recipe. Make sure you have everything ready before you start cooking.



### Cook with AI Guidance

Follow the recipe instructions with the help of your voice assistant. Ask it questions if you need clarification or help with any steps.



### Take a picture

Take a picture of your finished dish and write down how the AI assistant helped you during the process. Share your photo and notes with your teacher.



Funded by  
the European Union

# DIFFERENCES BETWEEN

THE  
COMPUTER

THE HUMAN







Funded by  
the European Union

# DIFFERENCES BETWEEN

THE  
COMPUTER

THE HUMAN

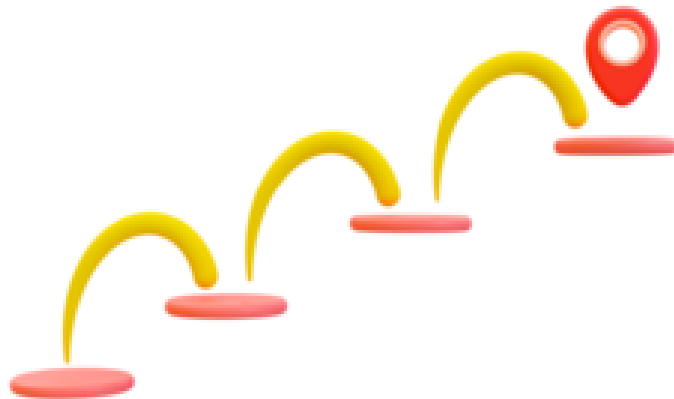


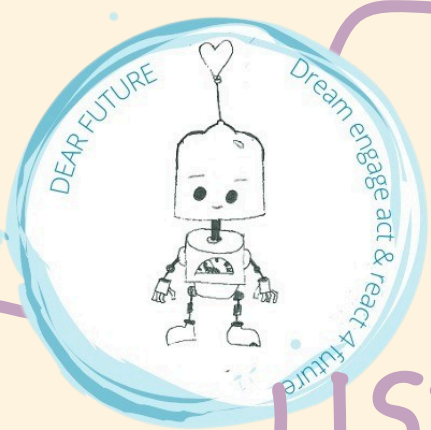


# DEAR FUTURE

List the steps we might follow to  
implement artificial intelligence in  
STEM education:

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....
- 6.....





LIST 5 THINGS THAT COMES  
TO YOUR MIND

# ABOUT ARTIFICIAL INTELLIGENCE

- ✓
- ✓
- ✓
- ✓
- ✓



Co-funded by  
the European Union



# Artificial intelligence and hygiene

01

Look for educational mobile applications that teach children about the importance of proper oral hygiene in a fun and interactive way.

02

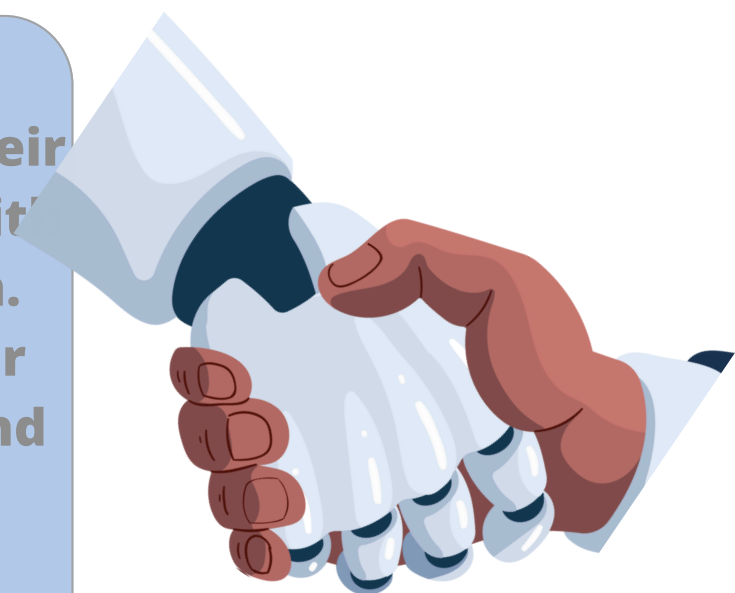


These can be games that teach children how to brush their teeth properly, quizzes about dental health, tips and fun facts about teeth, and foods that are good for teeth.

03

AI assistants can follow children while brushing their teeth and provide them with feedback and motivation. The assistant can monitor the brushing technique and warn of areas that are skipped.

AI assistants can follow children while brushing their teeth and provide them with feedback and motivation. The assistant can monitor the brushing technique and warn of areas that are skipped.



04



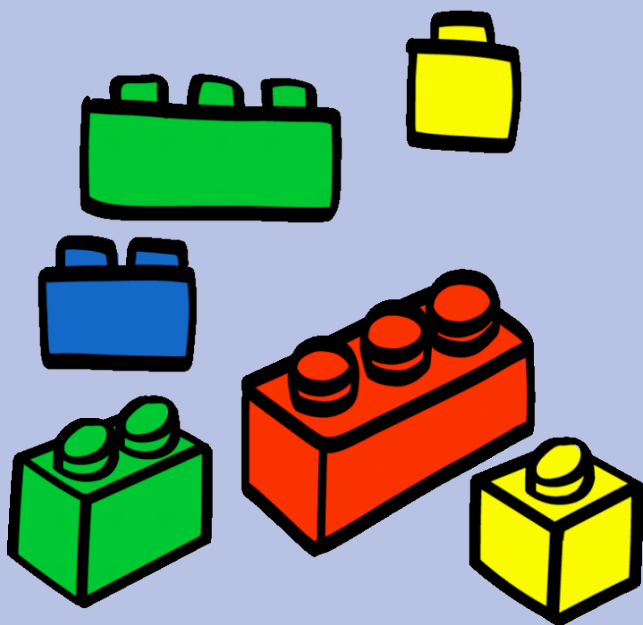
AI systems can create customized oral hygiene plans for each child, taking into account their specific needs.



And now take a brush, find an application and start fighting caries.



# Artificial intelligence and legos



Bring your legos and place them on the table so they can start the game.

Search for a photo with help of an adult of Lego object using AI



Follow the instructions using the voice assistant. If something is not clear to you, ask him so he can help you.

At the end, take a photo of your work and explain to an adult how AI helped you in the process of building with Lego bricks.

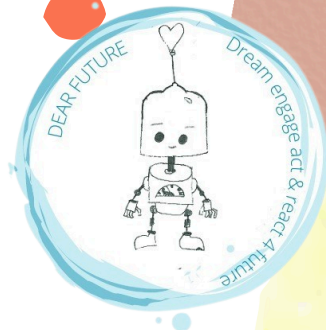
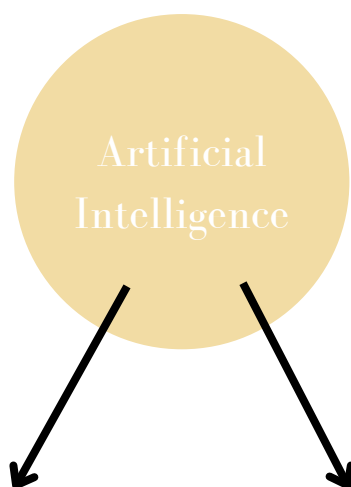


Enjoy the game





# Draw your concept map!



Co-funded by  
the European Union

