



This project has received funding from the European Union's Erasmus+ programme, under Grant Agreement No°000150994

# Worksheet

*This Worksheet is designed to guide educators on how the comic strips can be integrated into their classroom. Teachers can adjust based on student level and depth of discussion needed.*

## Topic N° 2 – The Artificial Intelligence (AI) Chronicles

Lesson Duration : [Suggested number of sessions/days]

### Lesson Plan

#### 1 Pedagogical objectives [Suggested duration]

By the end of this activity, students will:

- Understand the origins and evolution of Artificial Intelligence (AI).
- Explore its real-world applications and impact on different sectors.
- Encourage critical and creative thinking about AI's role in society.

#### 2 Introduction: What is Artificial Intelligence ? [Suggested duration]

Artificial Intelligence (AI) is the simulation of human intelligence in machines that can learn, reason, and make decisions. From the Turing Test in the 1950s to modern AI assistants like Siri and Alexa, AI has evolved significantly. Did you know that the concept of AI was inspired by science fiction long before it became a reality?

#### 3 Explore the Storyline [Suggested duration]

**Teacher's Role:** Present the comic strip and guide the discussion.

**Student Task:** Read the comic strip and analyse:

- What is happening in the story?
- How do the characters interact with Informatics ?
- What challenges arise?

**Discussion:** The teacher and students analyse the scientific/technological principles in the comic.



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## Activities

- **Activity 1: Observation and Reflection [Suggested duration]**

**Objective:** Help students recognize key concepts visually.

**Instructions :** Observe the following images and identify those related to AI. Justify your choice.

**Materials:** [Insert images of AI-related and non-AI-related objects, such as robots, smart assistants, traditional computers, industrial machines, etc.]

### Discussion Questions:

- **Activity 2: Combine the Elements [Suggested duration]**

**Objective:** Reinforce understanding by linking concepts with definitions.

**Instructions :** Links each concept to its corresponding definition.

Concept	Definition
Turing Test intelligence	A test designed to determine if a machine can exhibit human-like intelligence.
Narrow AI	AI specialized in one task, like chatbots or recommendation systems.
General AI	AI that can think, learn, and solve problems like a human.
Machine Learning (ML)	A subset of AI that enables systems to learn from data.
Neural Networks	AI models inspired by the human brain, used in deep learning.



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- **Activity 3: Reflective questions**
- **Activity 3.1. Mini-challenge: Creation and Imagination [Suggested duration]**

### Objective:

**Instructions:** Imagine that you are an AI expert. Propose an invention, scenario or solution related to AI.

- Describe your idea in a few sentences.
- Make a diagram or a short comic strip explaining how it works.

### Activity 3.2. Group or pair discussions [Suggested duration]

- What do you think about AI's impact on daily life?
- What are the advantages and disadvantages of AI?
- How do you see AI evolving in the next 10 years?

## Conclusion and Review

**Quick summary:** Summarize the 3 most important points about the topic.

*[Suggestion]*

3 key points:

- *AI has evolved from science fiction to real-world applications, transforming industries.*
- *AI exists in different forms, from Narrow AI (specialized) to General AI (human-like intelligence).*
- *AI raises ethical concerns, including privacy, job automation, and decision-making biases.*

**Final Quiz :** Answer the following questions in one sentence.

1. What is AI in one sentence ?
2. Give an example of a concrete AI application.
3. What do you think the future of AI will be?

**Remember:** AI is a powerful tool that can improve lives but must be developed and used responsibly!