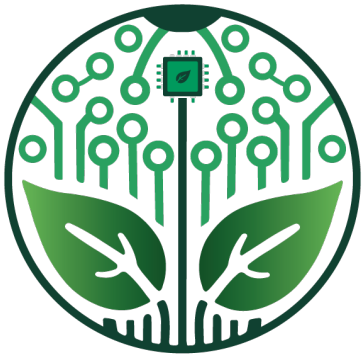
AI-GREENER
2024-1-AT01-KA220-SCH-000248327



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LESSON PLAN

AI,Entrepreneurial Ecosystems,

and Sustainable Futures

QUADRAT IMAK × HLW Bundeshandelsakademie Wolfsberg Austria	Darica İlçe Milli Eğitim Müdürlüğü Turkey	Campus 02 Fachhochschule der Wirtschaft GmbH Austria	Directorate of Secondary Education of Kefallinia Greece	Jaunpiebalgas vidusskola Latvia	Sucessos Criativos, Lda Portugal	Sredno obshtoobrazovatelno uchilishte Lyuben Karavelov Bulgaria

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Disclamer

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1. TITLE

Entrepreneurial Ecosystems, and Sustainable Futures

2. GRADE LEVEL

- ISCED Level 3 – Upper Secondary Education (ages 15–18)

3. SUBJECT AREA

- Economics
- Computer Science
- Social Studies

4. TYPE

- Lesson Plan

5. DURATION

- 2 x 40-minute classes

6. LEARNING OBJECTIVES

O1 – Explain what an entrepreneurial ecosystem is using simple examples.

O2 – Identify how artificial intelligence changes local entrepreneurial ecosystems.

O3 – Recognize how AI can support sustainable and green entrepreneurship.

O4 – Reflect on their role as future digital and green citizens.

7. Key Competences Developed

- Literacy
- Digital competence
- Personal, social and learning to learn competence
- Citizenship competence
- Entrepreneurship competence
- Cultural awareness and expression competence

8. Prior Knowledge / Prerequisites

Basic understanding of: Jobs and businesses

Digital technologies (internet, apps, AI examples like chatbots)

No prior knowledge of ecosystems or economics required

9. Lesson/Project Outline

Phase 1 – Introduction (Engage & Contextualize)

Activity:
Teacher asks:

“Why do some cities have more startups than others?”

“Can technology help young people create businesses?”

Explanation (simple language):

An entrepreneurial ecosystem is everything that helps people start businesses:

Schools

Internet

Culture

Technology

Support from the community

Expected Output:

Students give examples from their city or country

Resource (name)	Link (to the folder on Teams)

Phase 2 – Exploration (Investigate & Compare)

Teacher explanation (with examples):

AI can: Help businesses work faster Reduce costs Create new green solutions

AI changes ecosystems by: Adding digital tools (data, cloud, platforms) Connecting people beyond local areas

Mini-activity:
Students match examples:

AI recycling app → Green entrepreneurship

Online marketplace → Digital ecosystem

Resource (name)	Link (to the folder on Teams)

Phase 3 – Application (Hands-On Practice)

Resource (name)	Link (to the folder on Teams)

Main activity:
Students complete the WORKSHEET

They:

Identify ecosystem elements

Analyze a simple AI-based green business

Suggest improvements

Resource (name)	Link (to the folder on Teams)

Phase 4 – Reflection & Consolidation (Present & Connect)

Discussion:

“Can AI help protect the environment?”

“What skills do young entrepreneurs need?”

Exit task:
Students write 3 sentences:

“How AI can help create a greener future.”

Resource (name)	Link (to the folder on Teams)

10. Assessment Criteria

Assessment tools:

Completed worksheet

Short quiz

Participation

Reflection paragraph

Focus:

Understanding key ideas

Correct use of basic concepts

Ability to connect AI with sustainability

Resource (name)	Link (to the folder on Teams)

11. Teaching Materials

Name	Type (Developed/Existing)	Link	Role in the lesson

12. External Resources and References

Resource (name)	Link (external or to the folder on Teams)