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

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[LESSON PLAN]

[AI IN BUSINESS]

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Disclamer

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1. TITLE

How Artificial Intelligence is changing business

2. GRADE LEVEL

- [ ] ISCED Level 2 – Lower Secondary Education (ages 12–15)
- [x] ISCED Level 3 – Upper Secondary Education (ages 15–18)

3. SUBJECT AREA

- [ ] Sciences
- [ ] Environmental Studies
- [ ] Geography
- [x] Economics
- [x] Computer Science
- [ ] Mathematics
- [ ] Technology and Design
- [ ] Arts and Music
- [x] Social Studies
- [ ] History
- [ ] Languages

4. TYPE

- [x] Lesson Plan
- [ ] Project

5. DURATION

Select the one format that fits the lesson/Project:

- [ ] 1 x 40-50minute class

- [ ] 1 x 60-minute class
- [x] 1 x 80-100-minute block
- [ ] 2 x 45-minute classes
- [ ] 2 x 60-minute classes
- [ ] Double session (2 × 60 minutes) optional project-based homework.

6. LEARNING OBJECTIVES

Students understand what AI is and how it impacts business processes.

Students analyze ethical aspects.

Students identify opportunities and challenges across business sectors.

7. Key Competences Developed

- [ ] Literacy
- [ ] Multilingual competence
- [ ] Mathematical competence and competence in STEM
- [x] Digital competence
- [x] Personal, social and learning to learn competence
- [x] Citizenship competence
- [x] Entrepreneurship competence
- [ ] Cultural awareness and expression competence

8. Prior Knowledge / Prerequisites

Basic understanding of business and computer science

9. Lesson/Project Outline

Phase 1 – Introduction (Engage & Contextualize)

Short 3-5 min video about AI in business:
https://www.youtube.com/watch?v=5V27kiAUWkc

Worksheet (comprehension questions and reflection questions)

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

Phase 2 – Exploration (Investigate & Compare)

Group work: AI in Business: Opportunities and risks

Resource (name)	Link (to the folder on Teams)
phase_2	

Phase 3 – Application (Hands-On Practice)

Resource (name)	Link (to the folder on Teams)
phase_3	

AI in Action: Sustainability with GreenAI

Group work:

Students analyze the use of AI in environmental protection.
They develop their own mini business model based on AI.
They evaluate opportunities, risks, and ethical considerations.

Phase 4 – Reflection & Consolidation (Present & Connect)

Students present their results clearly and structured.
They critically reflect on opportunities, risks, and ethical aspects of AI in business.
They learn to give and receive constructive feedback

Procedure:

Each group presents their mini business plan idea (3–5 minutes).
Afterwards, each group answers the guiding questions in the reflection sheet.
Peers complete the peer-review form.
Brief discussion on best practices and suggestions for improvement.

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

10. Assessment Criteria

Portfolio: the portfolio documents their work, learning progress, and reflections throughout the entire unit. It shows how they applied content from all phases and what insights they gained.

The portfolio should include the following elements:

1. Worksheets from Phase 2 (Exploration) – e.g., opportunities vs. risks table
2. Mini business plan from Phase 3 (Application)
3. Reflection sheet from Phase 4 (Reflection & Consolidation)
4. Notes, sketches, or additional materials created during the unit
5. Optional: Presentation slides, images, screenshots, or videos

Structure:
Cover page with name, class, date
Table of contents
Chronological collection of materials from Phase 1 to Phase 4
Reflections: personal learning progress and challenges
Conclusion: summary and key insights

Assessment:
Completeness of all materials from the four phases
Structure and clarity
Quality of reflections
Creativity and initiative

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

11. Teaching Materials

Name	Type (Developed/Existing)	Link	Role in the lesson
worksheet_de			
worksheet_en			
Video	existing	https://www.youtube.com/watch?v=5V27kiAUWkc	Phase 1
Phase_2	existing		Phase 2
Phase_3	Existing		Phase 3
reflectionsheet	Existing		Phase 4
peer_review_form	Existing		Phase 4

12. External Resources and References

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