



Project No.8

This project was created by a Green Skills Teacher Ambassador as part of the EcoAI EduNetwork Initiative (EAIEN). Developed within the scope of the online course AI-Empowered Green Skills Education, it demonstrates how teachers can integrate artificial intelligence (AI) tools and sustainability competences into a meaningful, student-centered learning experience.

Designed to be implemented within a single subject or through cross-disciplinary collaboration, the project promotes green skills and artificial intelligence literacy in the classroom. It shows how AI can serve as both a teaching assistant and a catalyst for empowering students to think critically and act sustainably and preparing them to become responsible, future-ready learners.



**Funded by
the European Union**



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Zero Scatters with AI



Project Description

This project challenges students to explore how artificial intelligence and digital tools can help reduce food waste and promote responsible consumption. By designing a school-wide or household food tracking system, students collect and analyze data on food waste and identify daily habits that lead to unnecessary loss. They then use this data to develop a digital awareness campaign that inspires peers and families to take simple yet effective actions toward sustainability.

The project merges environmental literacy with digital innovation, allowing students to experience how technology can become a powerful ally for social change. Through collaboration, creativity, and ethical reflection, learners transform data into awareness and awareness into action.

Objectives



- Investigate the causes and consequences of food waste in everyday life.
- Use AI tools to analyze collected data and identify patterns or key waste sources.
- Design an awareness campaign to promote responsible food consumption.
- Encourage empathy, social responsibility, and community engagement in sustainability.

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Related School Subjects



Environmental Science, ICT, Home Economics, Social Studies, Mathematics, Media Studies.



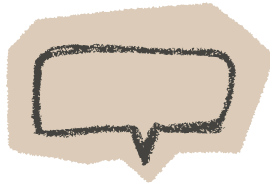
Green Skills

Critical Thinking, Digital Literacy, Creativity, Communication, Social Responsibility, Sustainability Awareness.



AI Tools

ChatGPT (data analysis and campaign writing), Google Sheets (data collection and visualization), DALL·E (visual design for food waste awareness), Canva Magic Studio (poster and social media design), Lumen5 (AI video creation for awareness campaign).



Example Prompts

“Suggest creative ways to reduce food waste at home or school.”

“Analyze this list of food items and estimate how much waste could be avoided weekly.”

“Write a slogan for a digital campaign about saving food with technology.”

“Generate a poster idea that combines AI and sustainability in food management.”

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Notes to the teacher



Stage 1: Define the Challenge

Introduce students to the issue of global and local food waste. Discuss its environmental and ethical impacts. Encourage them to observe and record instances of food waste in their daily routines.

Stage 2: Design & Prototype

Guide students in developing a simple system (spreadsheet, survey, or app mockup) to collect food waste data. Support them in using AI tools to analyze this data and create visual materials for their campaign. Emphasize creativity and real-life relevance.

Stage 3: Communicate & Showcase

Organize a “Zero Scatters” awareness week where students present their findings and campaigns through posters, videos, or digital displays. Encourage them to share their messages on school platforms or local community pages.

Teacher Tips

- Integrate the project with topics on consumption, environment, or technology ethics.
- Motivate students to focus on feasible and measurable actions.
- Collaborate with the school cafeteria or local markets for real data insights.
- Emphasize empathy and the social dimension of sustainability in all stages.