

Project No.6

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
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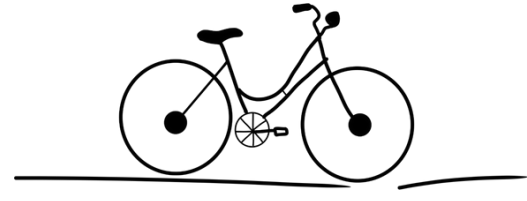


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Wheels of Change



Project Description

In this project, students explore how transportation choices directly influence environmental sustainability, public health, and urban life. Through research and design, they create an illustrated booklet that contrasts the negative impact of fossil fuel-based transport with the benefits of eco-friendly alternatives such as cycling and walking. By analyzing real-world examples of both good and poor urban planning practices, students develop a critical understanding of how sustainable infrastructure can transform cities into healthier, safer, and more livable spaces.

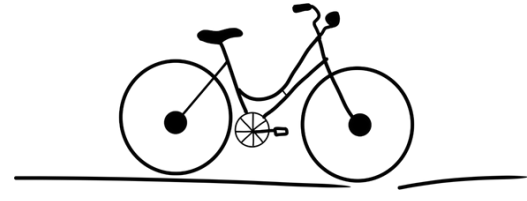
The project combines environmental education with civic engagement and design thinking, motivating students to envision greener, people-centered cities. Using AI tools, they design visually compelling materials and write persuasive narratives that promote behavioral and policy changes for sustainable mobility.

Objectives



- Raise awareness of the environmental and social impacts of fossil fuel-based transportation.
- Research and present sustainable mobility alternatives such as cycling, walking, and public transport.
- Illustrate the health, safety, and ecological benefits of active transportation.
- Encourage civic responsibility and collective reflection on sustainable city living.

Project No. 6



Related School Subjects



Geography, Environmental Science, ICT, Art & Design, Health Education, Social Studies.



Green Skills

Creativity, Design Thinking, Values Education, Systems Thinking, Collaboration, Environmental Literacy.



AI Tools

ChatGPT (research support, text writing, idea generation), Canva (layout design, visuals, and infographics), DALL·E or Adobe Firefly (optional illustrations or background visuals).



Example Prompts

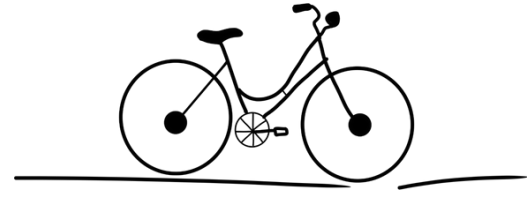
“Write a short section explaining how cycling can reduce air pollution and improve urban health.”

“List examples of good and bad street design for sustainable transportation.”

“Create an infographic comparing CO₂ emissions of cars, bicycles, and public transport.”

“Design a slogan and cover page for a student campaign promoting bike lanes.”

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Notes to the teacher



Stage 1: Define the Challenge

Begin with discussions on transportation, pollution, and sustainability. Encourage students to observe their own city's transport system and identify problems related to emissions, congestion, and accessibility.

Stage 2: Design & Prototype

Guide students in collecting local data, photos, and case studies. Support them in drafting their text using ChatGPT and designing the booklet in Canva. Emphasize clarity, visual storytelling, and the inclusion of both positive and negative examples.

Stage 3: Communicate & Showcase

Organize an exhibition or digital showcase where students present their booklets to peers and the school community. Encourage them to post their digital booklets on the school website or social media as part of an “Eco Mobility Week.”

Teacher Tips

- Collaborate with geography and art teachers to enrich research and visual design.
- Encourage students to include local examples and personal experiences.
- Discuss safety and policy challenges related to promoting cycling.
- Reinforce the link between sustainable transportation, urban health, and social equity.