AI-GREENER
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Assessment Criteria Sheet – Eco-Product Design with Generative AI

Lesson: Designing Sustainable Products with AI
Target group: ISCED 2–3
Assessment type: Mixed (performance, evidence, reflection)

Performance-based (Primary Assessment)
Assessed **during group work and hands-on activity**

Criterion	Indicators of achievement
Quality of AI prompts	Prompts include sustainability features, clear product description
Generated designs	At least 3 designs created; improvement visible in iterations
Understanding of eco-design principles	Designs reflect durability, material choice, recyclability
Explanation of choices	Students can justify why a design is sustainable
Participation	Each student contributes actively to the teamwork

Portfolio (Recommended)
Submitted digitally after the activity

Required element	Evidence type
3–5 AI design images	Screenshots of final outcomes
Notes on sustainability	Brief explanation of materials and eco-features
AI process documentation	Screenshots from training + prompt text
Reflection text	Short paragraph on environmental impact
Model improvement ideas	1 realistic improvement suggested

Portfolio demonstrates learning process + design thinking.

Self-Assessment
Completed individually at the end of the lesson
Students rate their:

- **Creativity** (idea quality, originality)
- **Digital skills** (using AI tool)
- **Sustainability awareness** (understanding of eco-impact)

Rating scale recommended:
Excellent / Good / Fair / Needs improvement
Optional written comments:
What could I do better next time?

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Purpose of this assessment

This structure ensures students are evaluated not only for the **final image**, but for:

✓ sustainable thinking

✓ ability to improve and reason

✓ teamwork and real-world responsibility

Notes for Teachers

- Provide guidance on screenshots and prompts
- Check participation fairly — every student plays a role
- Encourage critical thinking: “Is it realistic? Sustainable? Why?”
- Self-assessment should be **individual**, not in groups

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