



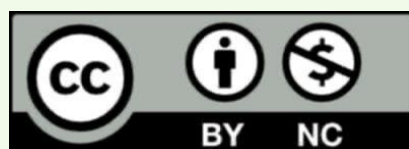
**SUSTAINABLE
TECHNOLOGY
FOR THE
ENVIRONMENT
PROTECTION**

ERASMUS+

Environmental Action Goals & Green School Practices



Co-funded by
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Why Green Schools Matter

Schools are among the most powerful institutions for building a sustainable future. Every day, thousands of students develop habits, values, and skills that will shape the world for decades to come. Students need ecological awareness and consumer habits to become more conscious, active, and ecologically oriented citizens — and school is where that transformation begins.



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Leadership Pipeline

Daily practice and curriculum together shape future environmental leaders from the ground up.

Operational Footprint

School buildings, transport, waste, and food systems contribute a significant carbon footprint to local communities.

Measurable Impact

Composting alone has diverted 9,548 kg of organic waste from landfills, preventing nearly 7.6 tons of CO₂ emissions in real school programs.



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Energy Efficiency & Renewable

FOCUS AREA 1

Goal

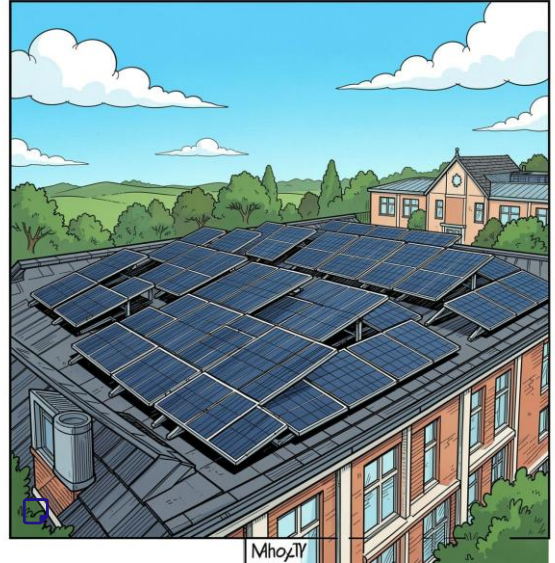
Reduce building energy consumption by **30%** and transition to renewable energy sources within three years.

Key Actions

- Install LED lighting throughout all facilities
- Optimize HVAC systems and building insulation
- Add rooftop solar panels and conduct annual energy audits

Phased Timeline

- **Phase 1 (Year 1):** Energy audits and full LED conversion
- **Phase 2 (Years 2–3):** Solar panel installation and renewable transition



Solar panel installations increase renewable energy production and reduce grid dependency — a proven strategy in leading green schools worldwide.

Waste Reduction & Recycling

FOCUS AREA 2



Goal: Achieve **75% waste diversion** from landfills within 3 years through a comprehensive, school-wide waste management system.



Composting & Recycling

Implement composting stations and colour-coded recycling points across all school zones — classrooms, cafeteria, and outdoor areas.



Plastic Reduction

Installing hydration stations saved approximately **37,000 plastic bottles** each semester — a quick win with lasting impact.



Specialty Recycling

Collect batteries, electronic waste, and plastic caps separately through designated collection points and community partnerships.



Staff Training

Train all staff on proper waste sorting procedures and empower student eco-squads to monitor and educate peers.



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Water Conservation

FOCUS AREA 3

Goal: Reduce water consumption by **25%** through efficiency upgrades, behavioural change, and student-led monitoring programmes.

Infrastructure Actions

- Install low-flow taps, showerheads, and dual-flush toilets
- Fix all identified leaks within 48 hours of detection
- Create water-smart landscaping using drought-resistant native plants

Student Engagement

- Run water audits as science class projects
- Set department-level monthly consumption targets
- Celebrate and publicly recognise departments achieving reductions
- Launch inter-class conservation challenges with visible leaderboards



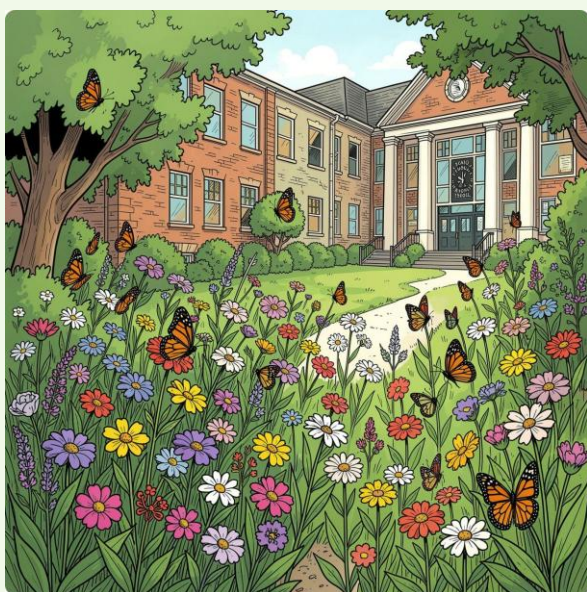
Biodiversity & Green Spaces

FOCUS AREA 4

Goal: Transform school grounds into thriving ecosystems that support local wildlife and enrich environmental learning.

Key Actions

- Plant native species and establish pollinator gardens with seasonal bloom calendars
- Introduce bird-friendly practices and window collision prevention measures
- Reduce chemical pesticide use by at least 80%
- Build insect hotels, nesting boxes, and water features for local fauna



- The Bird Window Collision Prevention initiative — first proposed and implemented by students — demonstrates how student voice drives lasting environmental change.

Sustainable Transportation

FOCUS AREA 5

Goal: Reduce school-related carbon emissions from transport by **40%** within 5 years through infrastructure, incentives, and community engagement.



Active Travel

Promote walking and cycling with safe routes, maps, and annual Bike to School Days.



Carpool Programmes

Establish a school-wide carpool matching system for staff and school bus optimisation for students.



Fleet Transition

Install EV charging stations and transition school fleet vehicles to electric or hybrid models.

Climate Action & Carbon Footprint

FOCUS AREA 6

Baseline First

Conduct a comprehensive greenhouse gas audit covering energy, transport, waste, food, and procurement before setting targets.

Integrated Strategy

Environmental stewardship must be woven into campus culture, daily operations, and the educational approach — not treated as a separate initiative. Reduction of ecological footprint is a shared institutional responsibility.

Public Accountability

Set annual targets, track progress transparently, and report results to students, parents, and the wider community each year.

Carbon Neutral by 2030

A bold, achievable commitment rooted in systematic, school-wide emissions reduction across all operations.

Integrating Sustainability into Curriculum

Goal: Embed environmental learning meaningfully across all subjects and grade levels, making sustainability a genuine lens — not an add-on.

1 Mathematics Carbon footprint calculations, energy consumption statistics, waste diversion percentages, and data analysis projects.	2 Science Ecosystem study, biodiversity monitoring, water quality testing, and school-ground habitat surveys.
3 History & Social Studies Environmental policy timelines, climate justice movements, and the social impact of ecological decisions.	4 Arts & Design Sustainability-themed design challenges, upcycling art projects, and visual communication campaigns for school audiences.

Provide professional development resources on sustainability and climate change for teachers, enhancing educator capacity through international collaboration and innovative pedagogical methods — a core pillar of the Erasmus+ approach.

Implementation Roadmap

A realistic, phased approach ensures lasting change rather than unsustainable short-term initiatives. Aim to complete **70% of priority actions in Year 1**, with all remaining actions on track for completion by Year 3.

1

Year 1 – Foundation

Establish baseline data across all areas. Form the school Green Team. Launch quick wins: recycling stations, water audits, and full LED conversion.

2

Year 2 – Expansion

Expand programmes school-wide. Integrate sustainability into curriculum planning. Install renewable energy systems. Train all staff.

3

Year 3 – Achievement

Achieve major reduction targets. Document and publish results. Share best practices with partner schools and Erasmus+ network.



Getting Started: Next Steps

Transforming your school into a green institution begins with five concrete actions. Each step builds the foundation for lasting, measurable environmental impact.

1 Form a Green Team

Include administrators, teachers, students, parents, and operations staff. Diverse voices produce better and more durable solutions.

2 Conduct an Audit

Assess current energy, water, waste, and transportation practices to establish a clear, honest baseline before setting targets.

3 Set SMART Goals

Define Specific, Measurable, Achievable, Relevant, and Time-bound targets for each environmental focus area.

4 Secure Funding

Explore local grants, Erasmus+ mobility and partnership programmes, and community or corporate sponsorships to resource your plan.

5 Communicate

Share your vision and progress regularly with the entire school community — transparency builds trust, pride, and collective momentum.