



**GREEN: Games, Resources, Environment,  
Entrepreneurship, and Education Network**  
2021-1-MK01-KA220-SCH-000024495

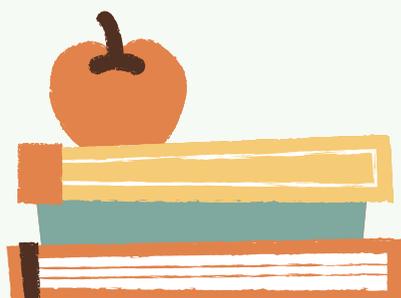
**PR2 Teaching Manual**  
**Guidance for Primary and Secondary School Educators**



*A practical guide to support the implementation of  
classroom-based green education, promoting  
sustainability, environmental awareness, and cross-  
curricular learning.*

Developed by:  
SYNTHESIS Center for Research and Education

2024/2025





## PR2: Teaching Green: A Methodological Guide for Primary & Secondary Educators



This manual aims to support teachers in DELIVERING the GREEN lesson plans for primary and secondary school students. Green learning focuses on fostering environmental awareness, sustainability skills, and ecological responsibility through a cross-curricular, inquiry-based approach.

### 1. Pedagogical Approach

- Learner-Centered: Emphasize active learning, student inquiry, and critical thinking.
- Interdisciplinary: Combine natural sciences, social studies, language, arts.
- Project-Based: Structure lessons around real-world environmental challenges.
- Values-Oriented: Embed principles of responsibility, empathy, and care for nature.

### 2. Digital Learning Framework

- Platform: Use Moodle, Google Classroom, or MS Teams for structured delivery.
- Tools: Integrate Padlet, Jamboard, Canva, and Kahoot for interactive learning.
- Resources: Leverage videos (e.g., TED-Ed), virtual tours (e.g., WWF, NASA Earth Observatory), and simulations (e.g., carbon footprint calculators).

### 3. Lesson Plan Structure

Each online lesson includes:

- Learning Objectives: Specific, measurable, aligned with green competencies (e.g., GreenComp).
- Warm-Up Activity: Short video or poll to spark curiosity.
- Main Activity: Research, group discussion, or online collaborative project.
- Reflection: Guided questions or eco-journal entries.
- Assessment: Quizzes, short video presentations, or digital posters.





#### 4. Topics for Green Lessons

- Climate Change and My Community
- The 5Rs (Refuse, Reduce, Reuse, Repurpose, Recycle)
- Biodiversity and Local Ecosystems
- Sustainable Food Systems
- Green Innovations and Youth Changemakers



#### 5. Methodology for Delivery

- Asynchronous Modules: Use videos and readings to introduce concepts.
- Synchronous Sessions: Facilitate live discussions and group work.
- Blended Assessments: Combine formative (ongoing feedback) and summative (final product) evaluations.
- Inclusive Design: Ensure accessibility for students with different learning needs.

#### 6. Monitoring and Evaluation

- Use rubrics for evaluating participation, creativity, and environmental literacy.
- Collect student feedback through digital surveys.
- Encourage peer assessment and self-reflection.

#### 7. Teacher Support and Collaboration

- Share lesson templates and resources in an online teacher hub.
- Organize monthly virtual peer-exchange meetings.
- Provide CPD webinars on green pedagogy and digital tools.





This annex supports implementation by explaining how to navigate, adapt, and deliver the lesson plans effectively in diverse educational settings.

### How to Use

- Each lesson is formatted with clear sections: Objectives, Materials, Activities, Assessment, and Reflection.
- Lessons are flexible and modular. They can be delivered as stand-alone activities or integrated into thematic weekly programs.
- Teachers are encouraged to adapt timing and content based on student age, interest, and local context.

### Technical Integration

- Upload lesson content to your learning platform (Google Classroom, MS Teams, etc.).
- Use the recommended digital tools (Padlet, Jamboard, Canva) for collaborative student tasks.
- Share pre-recorded videos and instructions for asynchronous components.

### Assessment and Feedback

- Use the built-in assessment suggestions in each plan.
- Offer students the chance to reflect on their learning using digital journals or group discussions.

### Tips for Success

- Set clear expectations at the beginning of each unit.
- Create a green classroom culture online by modeling sustainable thinking.
- Celebrate progress with eco-digital certificates or green star rewards.

### Conclusion

Online green learning empowers students to become responsible global citizens. With the right tools, pedagogical strategies, and collaborative spirit, educators can inspire the next generation to take action for a sustainable future.





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**PR2 Teaching Manual**

*Final Thoughts: Inspiring Change, One Idea at a Time*

The **GREEN** Project is more than a series of activities—it is a movement for a more sustainable, innovative, and inclusive future. Through this manual, you’ve explored tools, stories, and strategies to spark eco-entrepreneurship among youth and bring real change to your school and community.

As you move forward:

- Empower your students to lead with purpose and creativity
- Champion sustainable practices in everyday decisions
- Connect with others to share ideas, challenges, and successes

Remember: 🌍 Change doesn’t happen overnight—but it begins with one idea, one action, one inspired learner.

Let this be the beginning of many green journeys.

