



# Green Wonderland Box

## Pedagogical sheet

### PRESENTATION OF THE BOX

**LEVEL/AGE GROUP:** 10+ years old

**DURATION:** 40 minutes/1 hour for each activity

**THEMES:** Ecology, Green, Sustainability

### KEY COMPETENCES DEVELOPED:

<b>LITERACY</b>	Literacy Skills, Critical Thinking, Environmental Awareness, Creative Expression
<b>NUMERACY</b>	Numeracy Skills (Geometry), Observation and Analytical Skills, Environmental Awareness, Communication Skills
<b>DAILY LIFE</b>	Creativity and Innovation, Environmental Awareness, Practical Problem-Solving Skills, Fine Motor Skills

**AIM OF THE BOX:** The **Green Wonderland Box** is a carefully curated educational resource designed to integrate eco-friendly concepts into various learning activities for children. The box includes activities and tools that cover daily life skills, numeracy, and literacy, all centred around sustainability and ecological themes. By combining practical, hands-on experiences with structured



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learning, the Green Wonderland Box aims to foster essential competences while promoting environmental awareness and responsible behaviour among young learners. The pedagogical aim of the Green Wonderland Box is to provide children with a holistic learning experience that blends academic skills with environmental education. It seeks to:

- **Develop** creativity, critical thinking, and problem-solving skills.
- **Enhance** communication and social skills through collaborative activities.
- **Instil** a sense of environmental responsibility and stewardship.
- **Encourage** the practical application of learned concepts through hands-on activities.

The emphasis on green and eco-friendly themes addresses the urgent need for environmental education in today's world. Early exposure to sustainability concepts helps children understand the impact of their actions on the environment and fosters a lifelong commitment to ecological responsibility. By making environmental education **engaging and accessible**, the Green Wonderland Box supports the development of eco-conscious individuals who are equipped to contribute positively to their communities and the planet.

## IMPLEMENTATION

### THE DIFFERENT STEPS

#### 1. Introduction

Introduce the theme of eco-friendly learning with an overview of the box contents.

#### 2. Story time

Begin with reading the adapted AAC "Alice in Wonderland" story to engage students and set the stage for eco-themed exploration. Use the set of pictograms related to the story.

#### 3. Hands-On Activities

Engage students in the "Eco-Friendly Tinkering" and "Nature Exploration" activities. Provide materials and guidance for building sustainable objects and discovering geometric shapes in nature.

#### 4. Tool/Element Integration

Integrate the "Ecology AAC: Waste & Recycling Pictograms" during discussions on waste and recycling, reinforcing vocabulary and concepts related to environmental stewardship.

Incorporate the "Synonyms and Opposites Card Game" with an eco-friendly focus to expand literacy skills, and the "Exploring Geometric Shapes with Wooden and Cork Figures" to enhance understanding of geometric shapes.

Use the "Eco-Talk Animal Explorer Board," an AAC communication board centred around animals alive, extinct, and endangered, to facilitate discussions about biodiversity and conservation.

### **5. Closure and Reflection:**

Conclude with a reflection on what was learned about eco-friendly practices and geometric shapes. Encourage children to share their creations and insights from the activities.

## **VIGILANCE POINTS**

To ensure the inclusion of all children, especially those with speech or language difficulties and specific learning disorders, teachers need to pay close attention to the following aspects:

**Accessibility:** Ensure all materials are accessible to children with diverse needs, including those with disabilities who use AAC or require tactile learning tools.

**Differentiation:** Provide options for children at different learning levels and adapt activities as needed to support individual strengths and challenges.

**Inclusive Language:** Use inclusive language and imagery that represents diverse backgrounds and experiences related to environmental topics.

## **POTENTIAL ADAPTATIONS**

### **Adaptation of the material**

To ensure the materials are accessible to all students, consider creating tactile versions of the boards for children with visual impairments. This can involve using raised images, textured materials, and Braille labels. Additionally, for children with motor skill difficulties, larger images and labels can be used to facilitate easier handling and interaction.

### **Pedagogical adaptation**

Teachers can differentiate instruction based on individual student needs. For example, they can provide additional support for students who may struggle with literacy or conceptual understanding by pairing them with peers for collaborative learning. Visual aids, simplified language, and repetitive reinforcement can be used to ensure all students grasp the key concepts.

### **Variations**

**Group Work:** Adapt the activities for small group work to foster collaborative learning and peer support. Each group can focus on a specific category (alive, extinct, endangered) and present their findings to the class.

**Role-Playing:** Introduce role-playing scenarios where children act as conservationists or wildlife biologists. This can help deepen their understanding and engagement with the content.

**Field Trips:** If possible, organise a visit to a local zoo, wildlife reserve, or natural history museum. Real-world experiences can reinforce the concepts learned through the box activities.

**Multimedia Integration:** Use videos, sound recordings, and interactive apps to complement the tactile and visual learning materials, providing a richer multimedia experience.

## RESOURCES OF THE BOX

- Book, “Alice in Wonderland”, level 1
- Book, “Alice in Wonderland”, level 2
- 0. The present pedagogical sheet
- 1. AAC tool - daily life: Ecology AAC: Waste & Recycling Pictograms
- 2. Activity sheet - daily life: Eco-Friendly Tinkering: Building Sustainable Objects
- 3. AAC tool - literacy: Eco-Talk Animal Explorer Board
- 4. Activity sheet - literacy: Synonyms and Opposites Green Card Game
- 5. AAC tool - numeracy: Exploring Geometric Shapes with Wooden and Cork Figures
- 6. Activity sheet - numeracy: Nature Exploration: Discovering Geometric Shapes