



ERASMUS+

Σεμινάριο:

Introduction to
Sustainability through
Game-Based Learning
and Gamification

Πράγα 9-13 Μαρτίου 2026



Παρουσιάσεις σχολείων των συμμετεχόντων από:

Ελλάδα

Γερμανία

Ισπανία

Κύπρο

Πορτογαλία

Κροατία



Παιχνίδια Γνωριμίας

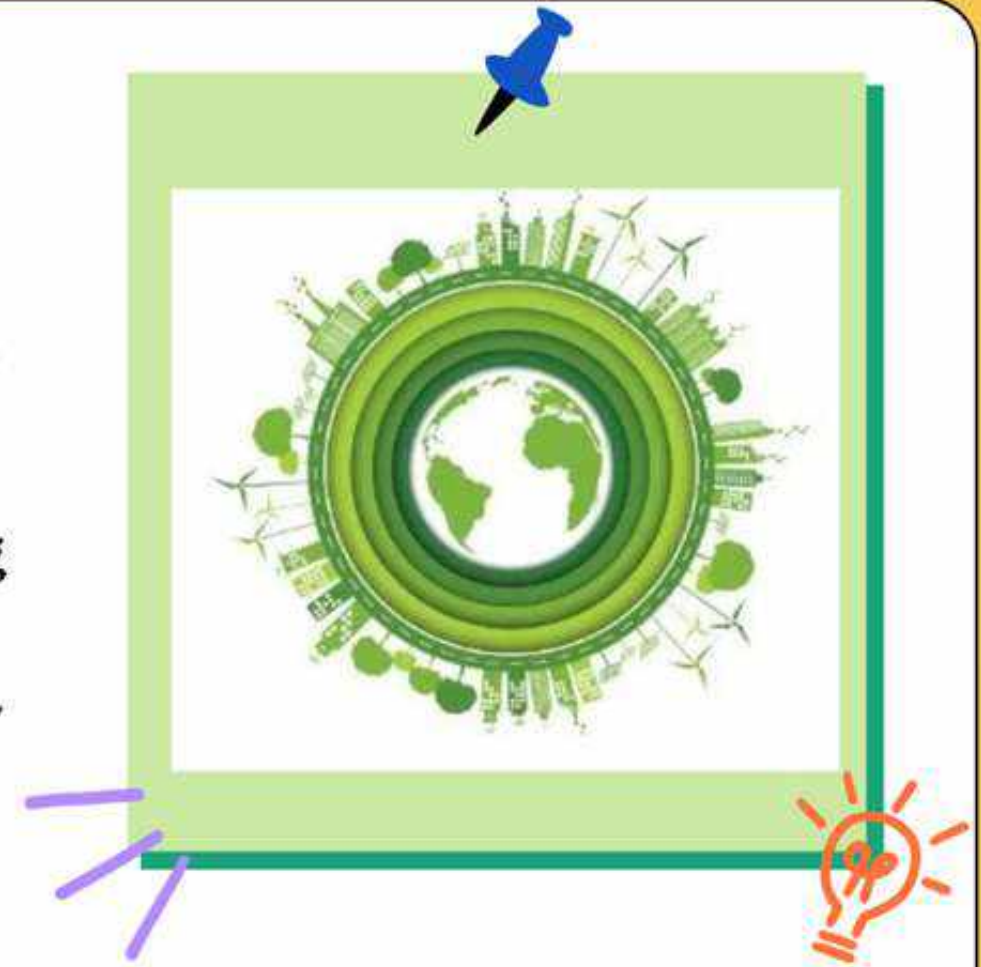
SUSTAINABILITY

Τι είναι η βιωσιμότητα;

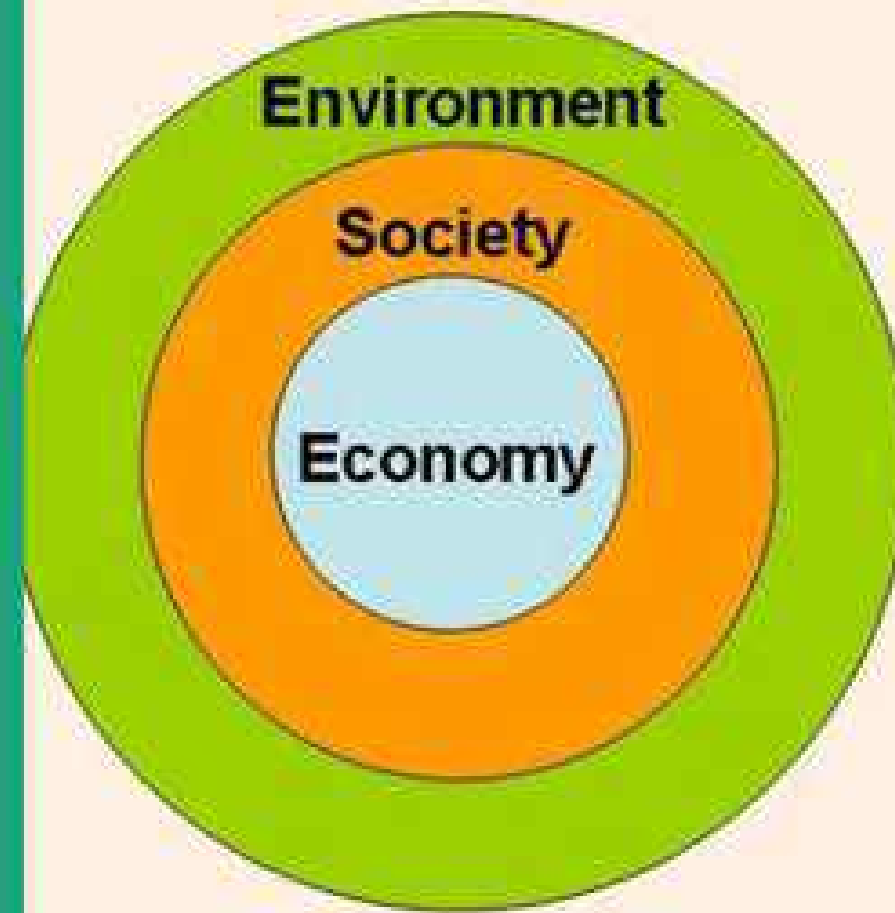


Sustainability is a long-term practice of meeting our current needs without compromising the ability of future generations to meet their own.

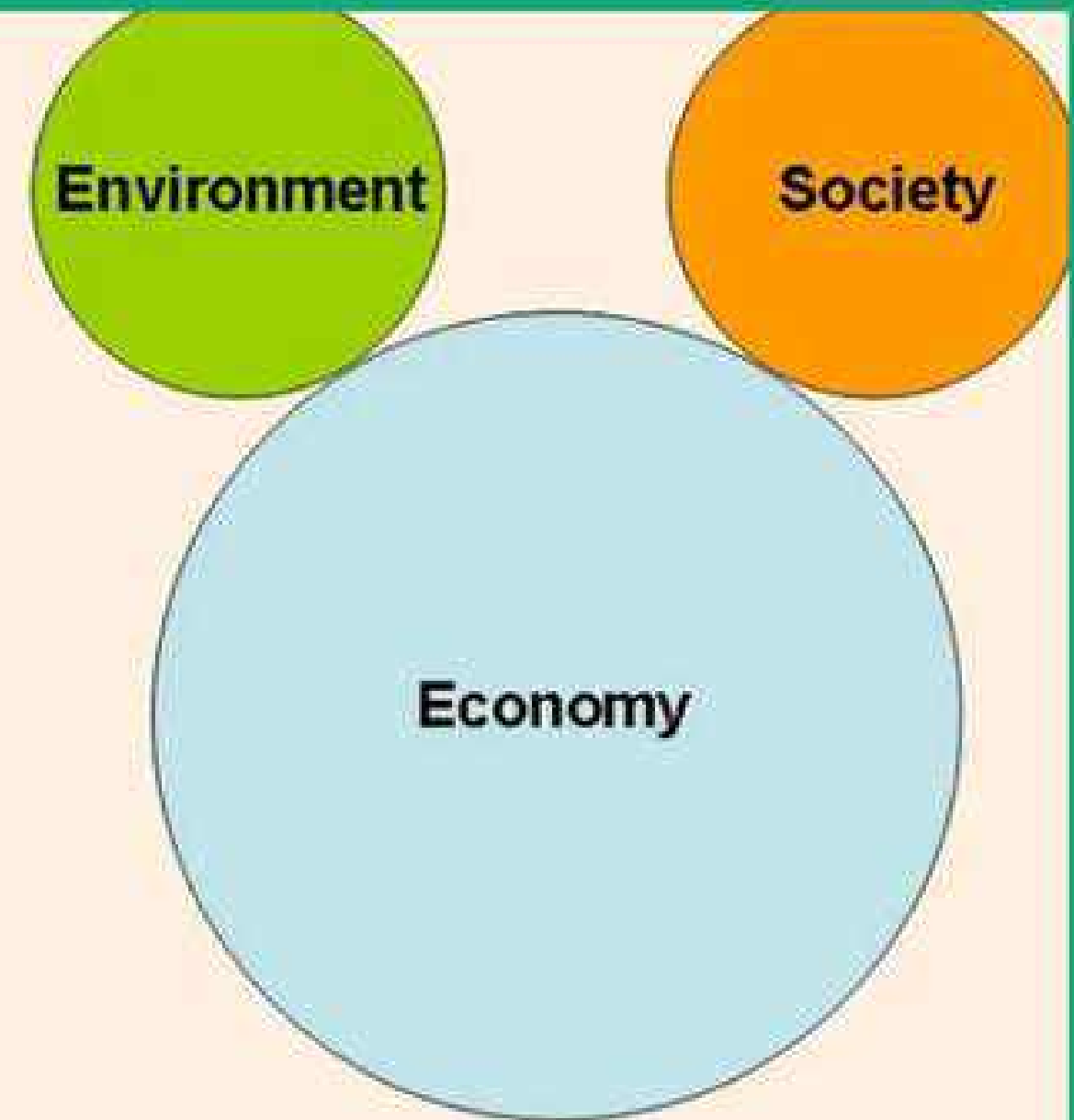
Sustainability means prioritising the needs of all life forms and of the planet by ensuring that human activity does not exceed planetary boundaries.



The model on the left reveals an understanding that our society is wholly dependent on the environment and that our economy is wholly dependent on our society.



The 'bullseye' (sustainability) model



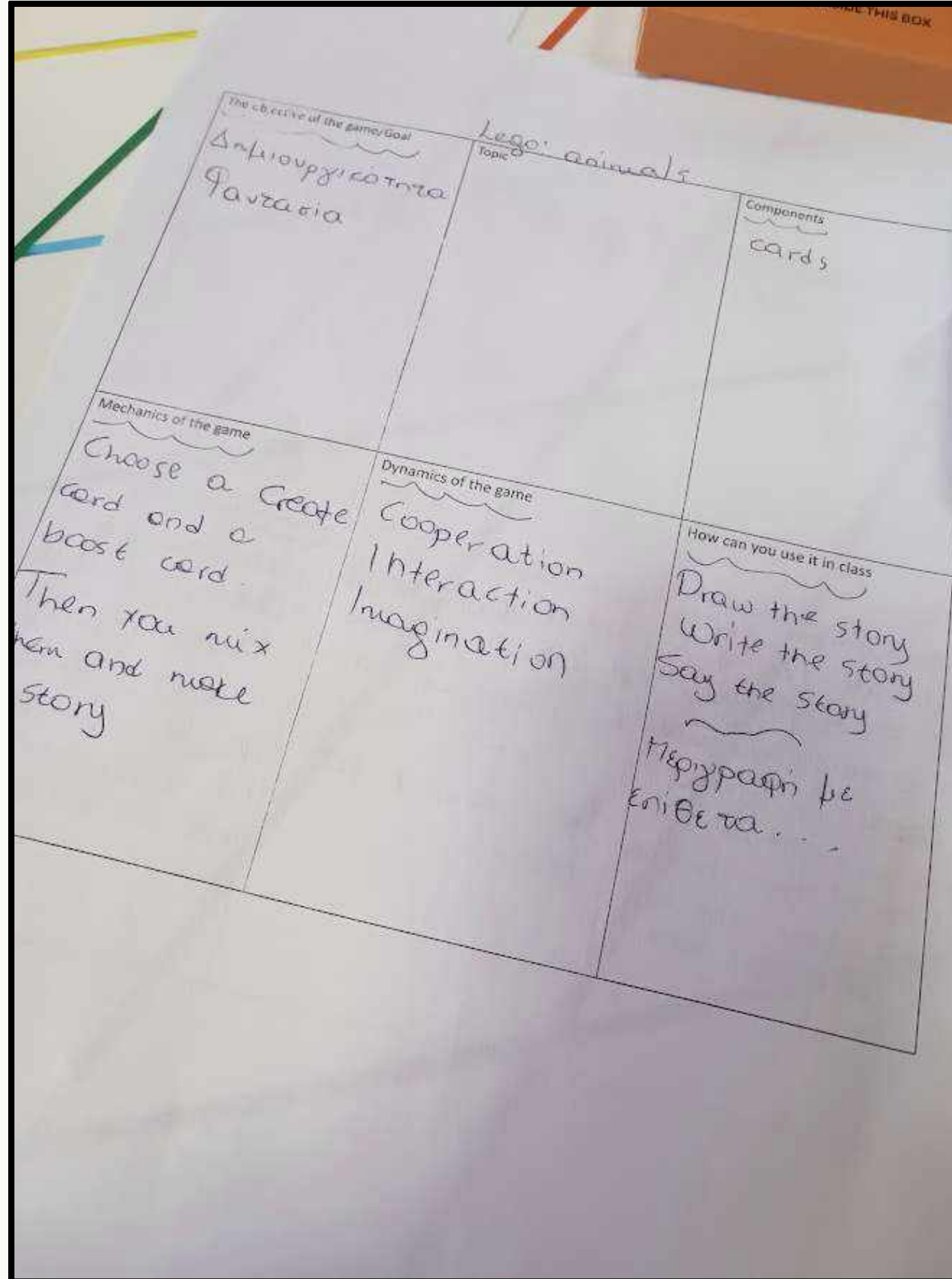
The 'Mickey Mouse' model

OzPolitic

On the right is the old 'Mickey Mouse' model showing the economy as most important with society and the environment as separate, minor, side issues.



Games and Gamification



Outdoor Activities

Outdoor Alphabet Treasure Hunt

Outdoor learning version • Read, explore, prove it

Name: _____ Date: _____ Class: _____

Mission briefing

1. Look for outdoor clues: sounds, movement, weather, plants, textures, shadows, animals, or objects.
2. Read the class text.
3. For each letter, choose a word from the text that matches the part of speech and connects to something you noticed outside.
4. No random words: in Mission 2 you will have to prove that some of your choices really fit the text.

Mission 1: Hunt outside, then hunt in the text

Example B adjective **Bright** Sun

Letter	Category	Outdoor clue / what I noticed	Word from the text
A	Adjective	_____	_____
B	Adjective	_____	_____
C	Verb	_____	_____
D	Noun	_____	_____
E	Noun	_____	_____
F	Adverb	_____	_____
G	Verb	_____	_____
H	Adjective	_____	_____
I	Adverb	_____	_____
J	Adjective	_____	_____
K	Verb	_____	_____
L	Adjective	_____	_____
M	Noun	_____	_____

Mission 2: Prove it

Choose 4 words from your hunt. Show that each one fits the clue, not just the letter.

Example B adjective **Bright** The flowers looked colorful in the sun.

My word	Evidence from the text	Why it is the best match for my outdoor clue
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Mission 3: Make a story

Write a 6-word mini story using words from your hunt.

Partner challenge

Swap one word with a partner.

Explain why your word is the better match using evidence from the text.

Winning word: _____

Treasure score: +1 part of speech • +1 outdoor clue link • +1 story • +1 winning word =

Nature hunt

Go out and find an item that fits each of the descriptions below. Then write down what you have found and take a picture. Wherever possible look for nature items.

A y-shaped twig with an angle < 60°	Something Scary!	Closed	Something Rare
Smelly	Two trees spaced more than 5 m apart	Something red	Something Beautiful
At least 3 items that measure 2 m together	Complex	Tiny	Something "Urrgghh!"
Moist	Starts with C	Something Eh?	Sharp

Title: Hunting for sustainability



Take a picture or draw a cloud that looks like something.



Identify three animals, insects, or plants in the area. Bonus if you explain their role in the ecosystem.



Find a way this space could be improved to make it more accessible to everyone.



Find a historical site or monument. Research why it is important for the community.



Identify and draw or write about one tree. Imagine it could talk—what would it say about how humans treat it?



Collect at least three pieces of litter. Categorize them as recyclable, compostable, or landfill waste.



Find your favourite leaf and take a picture.



List any v features (e.g., solar panels, energy-efficient lighting) that show energy conservation.



Find a way this space could be improved to make it more environmental friendly and how.



Count the number of bicycles vs. cars in the area.



Find a local shop and suggest one change this business could make to be more sustainable.



Find something shaped like something else in nature and take a picture.



Take pictures of three recycle bins in the area (they can't be at the same spot).



Count the number of different types of trees or plants in the area. What are the types?



List three jobs you can see people doing. Discuss how these jobs contribute to the local economy.



Find and take a picture of something really, really important in nature.



Find a local community space.



Imagine an event that could bring locals together here (e.g., festival, a swap). Write a short description of the event.



Find and take a picture of something that shouldn't be here.



Find an example of a locally sourced product in a shop and take a picture.



Find and take a picture of something mysterious in nature.

Title:

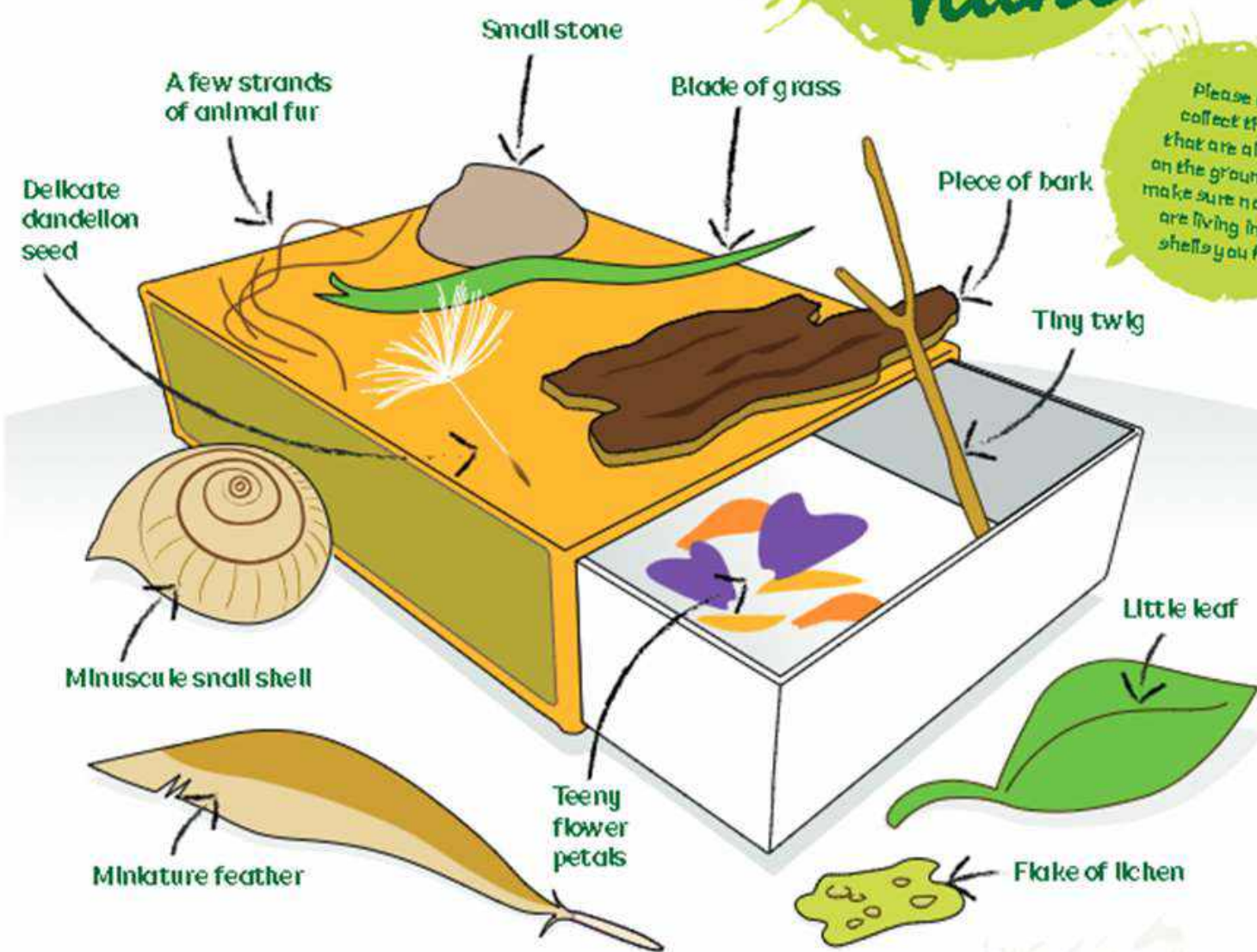


Go on a tiny treasure hunt!
Keep your eyes peeled for
teeny things

Tiny treasure hunt

Grab a matchbox or a raisin box and go on the hunt for tiny treasures to fit inside it.

Look out for...



Please only collect things that are already on the ground, and make sure no snails are living in the shells you find

What else can you find? How many things can you squeeze inside a matchbox?

Let's enter a magical world.
Can you spot these tiny traces of woodland people?



Ladder



Secret doorway



Lantern



Parachutes



Goblet

Enchanting
elves and
fantastic fairies



Hats and boots



Bows and arrows



Balloon



Seat

Don't touch - it's poisonous!



Hammock

Did you find anything else that fairies or elves could use?

BADGES AND THE SCHOOL ASSESSMENT

1. Water Usage (5 points)

- **Efficient Water Consumption (1 point):** Installing low-flow faucets and toilets.
- **Leak Prevention & Fixing (1 point):** Ensuring leaks are fixed promptly.
- **Rainwater Collection (1 point):** Using rainwater for irrigation and toilets.
- **Eco-Friendly Cleaning (1 point):** Using non-toxic cleaning products.
- **Water Conservation Education (1 point):** Educating students on reducing hidden water waste.

2. Energy Consumption (5 points)

- **Lighting Efficiency (1 point):** Using LED bulbs and motion sensors.
- **Heating & Cooling (1 point):** Insulating and optimizing heating/cooling systems.
- **Reducing Energy Waste (1 point):** Encouraging turning off unused lights and devices.
- **Renewable Energy (1 point):** Implementing solar panels.
- **Student Awareness (1 point):** Teaching students about energy conservation.

3. Waste Management (5 points)

- **Waste Prevention (1 point):** Eliminating or minimizing single-use plastics.
- **Recycling Infrastructure (1 point):** Providing labeled recycling bins.
- **Composting & Food Waste (1 point):** Implementing composting programs.
- **Reusable Materials (1 point):** Encouraging the use of reusable bottles and cutlery.
- **Eco-Friendly Procurement (1 point):** Using biodegradable and recycled school supplies.

4. School Environment & Green Spaces (5 points)

- **Indoor Plants (1 point):** Incorporating plants in classrooms.
- **Outdoor Learning Areas (1 point):** Creating school gardens or green spaces.
- **Noise & Light Management (1 point):** Reducing noise pollution and optimizing lighting.
- **Biodiversity Promotion (1 point):** Encouraging pollinator-friendly plants.
- **Air Quality (1 point):** Using air filtration and ventilation improvements.

5. Sustainable Transportation (5 points)

- **Active Travel (1 point):** Promoting walking and biking.
- **Public Transport (1 point):** Encouraging students to use public transportation.
- **Carpooling (1 point):** Establishing carpooling programs for students and staff.
- **Bike sharing (1 point):** Implementing bike sharing.
- **Green School Buses (1 point):** Supporting group transportation for study trips.

6. Food Sustainability (5 points)

- **Local & Seasonal Food (1 point):** Prioritizing locally sourced school meals.
- **Sustainable Procurement (1 point):** Reducing the use of industrially processed foods.
- **Meat Reduction (1 point):** Providing plant-based meal options.
- **Composting & Waste Reduction (1 point):** Implementing food waste tracking.
- **Student Awareness (1 point):** Educating students about the environmental impact of food.

7. Curriculum Integration (5 points)

- **Sustainability in Subjects (1 point):** Including environmental topics in different subjects.
- **Hands-on Projects (1 point):** Organizing sustainability-related projects.
- **Climate Awareness (1 point):** Teaching students about climate change and conservation.
- **STEM & Sustainability (1 point):** Integrating eco-friendly engineering and science practices.
- **Community Engagement (1 point):** Encouraging students to propose sustainability improvements.

8. Reducing Plastic Usage (5 points)

- **Reusable Bottles (1 point):** Encouraging students to use refillable water bottles.
- **Reducing Disposable Plastics (1 point):** Eliminating plastic straws and cutlery.
- **Sustainable Packaging (1 point):** Encouraging plastic-free lunch packaging.
- **School Policy (1 point):** Implementing rules against unnecessary plastic waste.
- **Educational Campaigns (1 point):** Teaching students about plastic pollution.

9. Community Engagement (5 points)

- **Partnerships (1 point):** Collaborating with local businesses and eco-groups.
- **Clean-up Campaigns (1 point):** Organizing community clean-up events.
- **Workshops & Events (1 point):** Hosting eco-friendly workshops.
- **Student-Led Initiatives (1 point):** Encouraging students to lead sustainability projects.
- **Parent & Teacher Involvement (1 point):** Engaging families in sustainability actions.

10. Monitoring and Evaluation (5 points)

- **Setting Goals (1 point):** Establishing clear sustainability targets.
- **Tracking Energy Use (1 point):** Monitoring electricity and water consumption.
- **Waste Audits (1 point):** Measuring waste reduction progress.
- **Student Involvement (1 point):** Letting students take part in tracking sustainability progress.
- **Annual Reporting (1 point):** Reviewing and improving sustainability initiatives.



Water Guardian



Eco-Spark Innovator



Recycling Champion



Green Commute Advocate



Biodiversity Builder



Sustainable Foodie



Community Connector



Eco-Wizzard

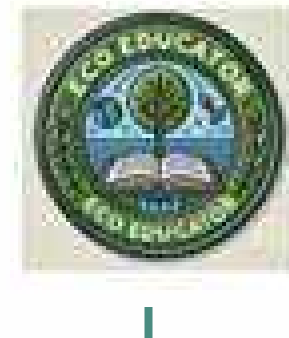
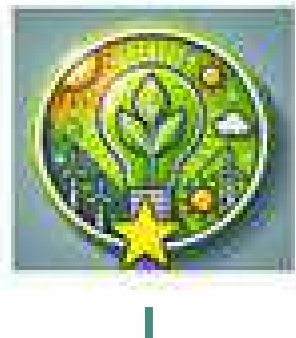


Sustainability Tracker



Plastic-Free Pioneer

Maria from Cyprus



water guardians

Plastic-Free
Pioneer

Ecco Wizard

Community Connector



AROUND PRAGUE...

