

# Balcony garden

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# Introduction

- presentation of a short video as an example of sustainable planning of urban space such as terraces/balconies of blocks/collective housing or single-family villas/houses, with vegetation, specific furniture and solar lighting systems.

- **How does it fit with the project? and its aim**

The example of green design of the balcony ensures that young people acquire a positive attitude towards the environment through behaviors that reduce energy consumption, produce oxygen, ensure thermal and acoustic comfort both on the terrace and inside the house, as well as reusing, recycling and recovering materials used. The aesthetic aspect will be positive for the house's exterior and the urban area.



# Theoretical introduction

- **Define the main concepts.**

The arrangement represents the transformation of the space in front or behind the yard, even the balcony of the house or any space, into a special and relaxing place, full of greenery creating a sustainable living environment.

- **What are the key points in your lesson / main topics**

- watching a video about arranging the balcony space
- highlighting the role of protection against excessive heat and cold, noise and wind, satisfying the need for relaxation, reducing thermal discomfort, air pollution and oxygen production.
- this activity will develop creativity and teamwork skills, requiring the identification of alternative solutions to reduce the consumption of natural resources
- students will understand the importance of collaboration and teamwork to create a sustainable and healthy living environment.
- For the next lesson, students will find solutions for arranging their own balcony/terrace in the form of a model, working in teams of 4, and will prepare other examples of good practices that can reduce carbon emissions, electricity consumption and excessive water consumption, own examples of concrete actions for recycling biodegradable materials through photos and written explanations of what they have undertaken.

# Learning objectives

## Describe the main learning objectives of the subject.

- to identify ideas for sustainable planning of an urban space such as the terraces/balconies of blocks/collective housing or single-family villas/housing, with vegetation, with specific furniture and solar lighting systems, in order to develop their sense of responsibility towards the environment;
- to retain a few species of weather-resistant plants (wind, rain, frost, excessive heat) that can be used on an open balcony;
- to find environmentally friendly solutions for producing energy (through solar power), creating a clean environment and reducing pollution;
- to make models of the green layout of the balcony / terrace.

# Steps in planning the activity

1. View presentation video



2. Division into work teams of 4 members each



3. information on arranging a balcony/terrace (styles, materials necessary, suitable plants)



4. Measuring available space



5. Determining the style of furnishing



6. creating layout models, using recyclable materials



7. presentation of the final product



## Let's see what you've learned

- **1. What are the balcony/terrace landscaping risks for this project?**
- **2. Name 3 ways to reduce the risks.**

# Answers

1.
  - **plant disease**
  - **lack of professional experience**
  - **extreme temperatures in a short period of time**
  
2.
  - **Protective canopies and pergolas**
  - **Plants on which pest and disease control procedures have been applied**
  - **Application of pest and disease treatments**
  - **Documentation from landscaping websites**
  - **Plants resistant to temperature and weather variations**

## Let's play with puzzles



<https://puzzlefactory.com/landscape-puzzles/224420-balcony-garden-jigsaw-puzzle#9x11>

<https://puzzlefactory.com/landscape-puzzles/91955-home-garden-nature-jigsaw-puzzle#10x7>







# Thank you!



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