

Active Learning and Innovative Teaching in Flexible Learning Spaces – Spending time outside the school gym

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The main goal of this learning scenario is to help students realize that the school environment, where they spend a lot of time, is very important for their health, well-being, concentration and studying efficiency. The aim is also to help students become more conscious about the natural environment's impact on their health. To do so, the first action would be to measure certain air-quality parameters at school. A brainstorming activity will then take place. The students will discuss how to improve air quality at school and then further debate on how they could make school spaces greener. If needed, they could set up a green-wall concept for their school, and eventually build it.

LEARNING OBJECTIVES

help students realize that the school environment, where they spend a lot of time, is very important for their health, well-being, concentration and studying efficiency

C'S OF EDUCATION

COMMUNICATION

CRITICAL THINKING

CREATIVITY

AGE GROUP

From 14 to 18
SUBJECTS

PHYSICAL EDUCATION

SCENARIO LANGUAGE

English

TOTAL DURATION

14 hours

8
HOURS
0
MINUTES

Web quest

INVESTIGATE & RESEARCH

C'S OF EDUCATION

COMMUNICATION

CRITICAL THINKING

TOOLS

Both resource list and questions can be added to a shared online document.

SPACE FORMAT

Public

POSITION OF LEARNERS

Small groups

ROLE OF TEACHER

Teacher-led

DESCRIPTION

Students are presented with a specific problem or question and with a selection of resources (usually a list of links to online materials) that they can use to answer the question. The learning scenario aims to offer a theoretical framework for the introduction of NBS (nature based solutions) in technical/engineering classes in high schools. Students will broaden their knowledge both of strictly STEM subjects and green thinking as applied to various technical topics. They will increase their vocabulary and understanding of social and environmental challenges, and possible solutions using nature, such as green infrastructure. Students will also practice how to address these issues practically, analysing and modelling them, and proposing their solutions, with a look to participatory planning and

governance. Additionally, they will learn how to search and use online information sources in a foreign language, which is also a crucial element of the national curriculum.



Short Answer Polling

INTERACT & INSTRUCT

C'S OF EDUCATION

COMMUNICATION

CRITICAL THINKING

TOOLS

Polling tool - Learning and innovation skills: students are asked to provide a solution by means of collaborating

SPACE FORMAT

Private, limited distraction

POSITION OF LEARNERS

Small groups

ROLE OF TEACHER

Teacher at the side

DESCRIPTION

Before, after or during a speech, the teacher asks a question to the class. Students answer (with a short paragraph) individually or in groups using a voting tool. Answers are displayed on the board and can be discussed with the class. For instance "what can we learn from this activity?" would be a good question to raise metacognition skills. PROS : every student has time to think and propose an answer.



Sharing with a real audience

PRESENT & SHARE

C'S OF EDUCATION

COMMUNICATION

CREATIVITY

TOOLS

Presentation or web-conferencing tool

SPACE FORMAT

Public

POSITION OF LEARNERS

Together

ROLE OF TEACHER

Independent learning

DESCRIPTION

Students and teacher invite a real audience other than peers in the classroom, e.g. other classes of the school, parents, partner schools, an outside expert.