Irrigation Systems

Lajtos
Gábor
Submitted by Lajtos Gábor on Wed, 06/15/2022 - 10:59
Type of lesson / project plan
Lesson plan
Sector
Agriculture and forestry
Topic, learning area
Irrigation systems for plant walls
Vocational subject(s)
Garden technology
Grade
14th grade
Learning and development goals
Irrigation system for plastic and metal-structured plant walls design
Concepts
plastic and metal framed plant walls
Required tools
Smartphone, tablet, internet access
Materials released before class or for a project

https://www.youtube.com/watch?v=CId3DOjJNTQ

Introductory part and preparation of the lesson / project plan

Searching for a video in social medai (Youtube) that introduces the topic. Setting the aspects and questions to the students based on which they can drive their own new knowledge acquiring process.

Students watch the video pre-class.

The teacher prepares the teaching material (ppt) pre-class.

Implementation plan for the lesson / project

The lesson takes place with the active participation of the students, the teacher helps the understanding, directs the conversation, explanations if necessary.

Didactic activities:

- Organization – 2 min. – listening to presence reports, instructions by the teacher

- Motivation 3 min. – dialogue

Have you all watched the video?

Would you like to discuss on it?

- Preparation – 4 min. – introduction to the topic by the teacher

Structure of plastic and metal green walls, its elements

Types of irrigation systems

Assembling of different irrigation systems

Elements and parts of irrigation systems

- Processing new knowledge – 30 min. – discussion, questions and answers

Getting to know the irrigation system of plant walls outdoors and indoors

Steps for designing an irrigation system for plant walls

How can you design an irrigation system in the plant walls?

What are the parts of the irrigation system?

What operates the irrigation system?

How can we choose the proper irrigation system?

Where can you get its parts from?

What can you implement yourself, as diy?

- Consolidation of the knowledge – 5 min. – instructions, dialogue

Discussion of emerging questions

If necessary, reviewing the video

- Assessment – 1 min. – verbal

Evaluation of classwork and the video

Used digital devices
Genially
Biteable
Evaluation plan

Peer evaluation by the students.

Differentiation

Those who have watched the video at home will help those, who have watched it only at the beginning of the lesson as they will have studied the video at least 2 times until the lesson starts.

Homework, project task

Search for similar videos on the Internet that can deepen their knowledge on the topic, or try to create their own.