

Teachers' Card

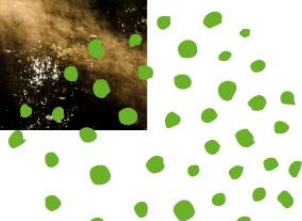


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Directions for the reclamation and revitalisation of post-industrial areas

REPOSITORY OF IDEAS



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General Introduction

An educational video titled “A few words about reclamation and revitalisation”. With its help we plan to present the importance of post-industrial areas in today's society. The video presents the circular economy and social issues it tackles. Participants will become familiar with the definition of reclamation and revitalisation and the aspects of closed-loop economy. In addition, it shows the directions and areas of these activities. After completing the course, participants will be able to distinguish between rehabilitation and revitalisation, indicate their directions and give examples of post-industrial areas in their area.

Key words:

Reclamation, revitalization, circular economy

Extended background information

Presenting the students with the importance of post-industrial areas for mining operations. Indication of the ways of appropriate management and potential benefits of land revitalisation, including circular economy aspects. Showing examples of post-industrial areas and indicating their usefulness and importance in society.

Learning Outcomes

Level of learning:

1. Knowledge - define, list
2. Comprehension – illustrate, give examples

Learning outcomes:

1. By the end of the lesson the target audience will be able to remember/know ...?
 - Stages of the mining activity,
 - Definition of reclamation and revitalisation,
 - Understanding the importance of reclamation and revitalisation,
 - Acquiring the ability to recognise reclamation and revitalisation areas,
 - List of directions and functions of reclamation and revitalisation,
 - Understand the importance of recovery processes, including regions in transition,
 - To learn examples of the use of post-industrial areas.
 - Getting to know the assumptions of a closed-loop economy.
2. By the end of the lesson my target audience will be able to understand...?
 - What reclamation is

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- What revitalization is,
- What the difference between reclamation and revitalization is,
- What the difference between the above-mentioned concepts is,
- What the role of the last stage of the mining process is.

Key Competence European Framework

Literacy competence
S1. Ability to understand and interpret concepts, feelings, facts or opinions in oral and written form.
S3. Ability to interpret the world and relate to others.
Multilingual competence
S1. Ability to understand and interpret concepts, feelings, facts or opinions in oral and written form.
S2. Ability to express concepts, feelings, facts or opinion in oral and written form.
S3. Ability to interpret the world and relate to others.
S5. Knowledge of vocabulary, grammar and language.
S7. Ability to use technical language accordingly to the field of work.
Mathematical competence and competence in science, technology and engineering
Digital competence
S1. Critical use of information technology for work
S2. Basic skills in ICT
S3. Understanding the role, opportunity and risks related to ICT in everyday life.
S4. Ability to use and handle technological tools and machines
Personal, social and learning to learn competence
S1. Ability to pursue and persist in different kinds of learning.
S2. Identifying available opportunities.
S3. Ability to gain process and assimilate new knowledge, skills and qualification required for career goals.
Citizen competence
S1. Ability to effective interaction with other people
Entrepreneurship competence
S1. Awareness of local, national, European culture heritage and their place in the world
Cultural awareness and expression competence

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United Nations' Sustainable Development Goals

The Sustainable Development Goals are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including those related to poverty, inequality, climate change, environmental degradation, peace and justice.

	  Enable access to basic services		 Equal access to global expertise
	 Safe medical devices		 Sustainable urbanization
	 Access to education		 Responsible consumption and production
	 Less hardship, more opportunities		 Strengthen resilience, reduce disaster impact
	 Safe and affordable water		 Reduce marine pollution
	 Energy – the golden thread		 Sustainable use of terrestrial ecosystems
	 Safety of workers and economic growth		 Promote peaceful and inclusive societies
	 Resilient infrastructure and sustainable industrialization		 Better access to technology and innovation

Contents – Theoretical principles

Appendix 1 – Video description

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Lab Procedure/Activity

An educational film under the title „A few words about reclamation and revitalisation“. With its help we plan to present the importance of post-industrial areas in today's society. Participants will become familiar with the definition of reclamation and revitalisation and the aspects of closed-loop economy. In addition, it shows the directions and areas of these activities. After completing the course, participants will be able to distinguish between rehabilitation and revitalisation, indicate their directions and give examples of post-industrial areas in their area.

List of necessary materials:

Option 1: Video (<https://youtu.be/ZczrBNoSRUs>) – You should use English subtitles.

Option 2: Presentation (**Appendix 2**) and Video description (**Appendix 1**).

Learning Pathway

Step	Methods:	Material:	Duration:
(1) Introduction - mining process	<i>A story about the mining process, its importance and its impact on the environment</i>	-	20 min
(2) Video	Showcase	Video - link	10 min
(3) Feedback	Discussion	List of questions	10 min

Evaluation



How do I intend to assess/measure if the learning outcome(s) have been achieved?

- Discussion,
- Answer questions during lesson,
- Answer to homework.

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Questions to participants:

- Why is the topic of rehabilitation and revitalisation important?
- What are the examples of post-industrial land use in Poland?

Questions: to check the comprehension of the contents

1. Describe the difference between remediation and revitalization.

The revitalization includes a number of activities aimed at the general regeneration and development of degraded areas. On the other hand, reclamation aims at restoring usable and natural values to areas devastated and degraded by various human activities.

2. List the known directions of reclamation (three examples).

- a. Forest
- b. Agricultural
- c. Water
- d. Recreational
- e. Cultural
- f. Teaching
- g. Natural
- h. Residential
- i. Economic

3. Give an example of an object that has been recultivated or revitalised. Describe it briefly and explain why such activities are important for local communities. – Homework.

Description of Student's Card

This toolkit does not include special materials for students.

Sources

EXAMPLES:

- Park Bednarskiego <https://www.youtube.com/watch?v=lv5Ww1Cddal>, May 2020
- Muzeum Śląskie <https://www.youtube.com/watch?v=57OXM8xDpx4>, May 2020
- Park Gródek Jaworzno <https://www.youtube.com/watch?v=PWNz-o6ICNw>, May 2020
- Silesia City Center <https://www.youtube.com/watch?v=vbdZYnzmmxl>, May 2020

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- Park Śląski Chorzów <https://www.youtube.com/watch?v=1hijBSLTOKY>, May 2020

REVITALISATION TRENDS:

- LEŚNY <https://www.youtube.com/watch?v=31z7hEiIDVs>, May 2020
- ROLNY https://www.youtube.com/watch?v=qkTRB_MZWDA, May 2020
- ZBIORNIK WODNY https://www.youtube.com/watch?v=C5_RjXyQDzo, May 2020
- KĄPIELISKO <https://www.youtube.com/watch?v=A5mu1b7UGkY>, May 2020
- REKREACJA <https://www.youtube.com/watch?v=GdSsPreTtbY>, May 2020 /
<https://www.youtube.com/watch?v=WSmhtyqUeGk>, May 2020
- KULTUROWY <https://www.youtube.com/watch?v=aluPMVwOF2M>, May 2020

REVITALISATION TRENDS:

- DYDAKTYCZNY <https://www.youtube.com/watch?v=QOj7YjI1SBI>, May 2020
- Przyrodniczy <https://www.youtube.com/watch?v=f8unx8-pZxg>, May 2020
- MIESZKANIOWY <https://www.youtube.com/watch?v=43tb1ysPTFo>, May 2020
- GOSPODARCZY <https://www.youtube.com/watch?v=raCjGfoxrtk>, May 2020