

Teacher's guide: Circular Construction

Theme

- Circular Construction

Recommended duration in hours

- 25 min.



INTRO

Introduction

The material includes a video that introduces the Apprentice to circular construction, demolition, and recycling.

The purpose of the activity is to give the student an understanding of the concept of circular construction and what it entails in terms of construction.

Preparation

The teacher should:

- Introduce the material/course
- Start the apprentice watching the video
- Assist the apprentice with consultant help in answering the assignment sheet.
- Facilitate knowledge sharing and provide all participants the opportunity to contribute with their answers to the tasks and to ask questions, clarifications, and comments.
- Help clarify the participant's answers and write them down as common class notes.

The participant should:

- Be able to see and hear the video.
- Be able to explain (share knowledge) their answers to the questions in the assignment.
- Be able to listen to other participants' answers.
- Be able to draw/write notes that help them remember their knowledge and opinions.

Organization:

- Participants can participate in the teaching solo or in small groups.

Learning objectives

General:

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- The apprentice has knowledge of the various concepts in circular construction.
- The apprentice can assess the difference between Recycling and Reuse.
- The apprentice can describe the advantage of reusing directly compared to recycling.
- The apprentice has knowledge of which building materials typically come from a demolition.

Selective demolition:

- The apprentice knows the difference between demolition and selective demolition.
- The apprentice gains an understanding of how selective demolition is practically done
- The apprentice can explain why selective demolition makes sense in terms of circular construction.

Content and purpose

The participant shall work with the concepts of circular construction, selective demolition, recycling, and reuse.

Suggested teaching plan

The teacher initiates the teaching and introduces the material/course

- Introduction/re-introduction to the website

Video (5 min.)

- The apprentice watches the video

Quiz for the video (10 min.)

- After the apprentices have watched the video, they are to answer questions related to the topic. There are seven questions in the quiz:
 1. Why is it important to recycle building materials in the construction industry?
 2. What can be the challenge of using recycled materials?
 3. What is the difference between recycling and reusing materials?
 4. Why is it better to reuse building materials than to recycle them?
 5. What is circular construction about?
 6. What is selective demolition?
 7. Where can you, among other places, buy recycled materials?

Conclusion in plenary (10 min.)

- The teacher facilitates a summary of the new knowledge the apprentices have gained. Use the video and the seven questions as a starting point and discuss what the correct answers are.



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Differentiation

The participant's own ability to perceive and reflect on the content of the video and seek knowledge about the subject allows for more or less advanced contributions to knowledge sharing.

Feedback and evaluation

With each contribution, the participant receives direct feedback from the teacher, as the teacher helps clarify the argumentation before the contribution is written on the board. The participant will experience that 'good' contributions are acknowledged and written directly on the board, while imprecise/incorrect contributions are reinterpreted in collaboration between the teacher and the participant before they are written on the board.

