

Teacher's guide: Design for Disassembly

Theme

- Design for Disassembly
- Wood Construction

Recommended duration

- 25 min.

WOOD



Introduction

The material includes a video that introduces the Apprentice to the principle of Design for Disassembly.

The purpose of the video is to provide the student with an understanding of the concept of design for disassembly and its implications in the field of construction. This includes considerations about the consequences of building/not building according to the principle. The video introduces the concept in a general sense but specifically relates it to wood construction.

An assignment sheet with questions has been prepared for the video, ensuring that the apprentice works on relevant topics to achieve the learning objectives of the material.

Finally, there is a knowledge-sharing session in the class where the apprentice can share their answers to the assignment questions and reflect on the content of the video.

Preparation

- The teacher should:
- Introduce the material/course.
- Start the apprentice on watching the video.
- Assist the apprentice with consultant support in answering the assignment sheet.
- Facilitate knowledge-sharing, allowing all participants to contribute their answers to the assignments and provide questions, elaborations, and comments.
- Help clarify participants' answers and record them as a collective class note.

The participant should:

- Be able to watch and listen to the video.



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

Organization:

- The teaching is facilitated through a mix of individual work and group work. Participants can engage in the instruction individually or in small groups.

Learning objectives

The apprentice can recount the benefits of building according to the 'design for disassembly' principle.

The apprentice can assess whether a specific construction is 'designed for disassembly'.

The apprentice can design wood constructions that can be separated and reused.

Content and Purpose

The purpose of the content is to provide the apprentice with knowledge of how wood constructions can be designed and built to be separated and reused.

There are several questions related to the video that need to be answered.

Proposed Teaching Plan

The teacher initiates the instruction and introduces the material/course (5 min.)

- Introduction/re-introduction to the website.

Video (5 min.)

- The apprentice watches video 2.3.1.

Tasks for the video (10 min.)

- After watching the video, apprentices work on answering questions and solving tasks related to the topic, ensuring that they cover the content associated with the learning objectives.

Plenary Summary (5 min.)

- The teacher facilitates a summary of the new knowledge that the apprentice has gained.

Differentiation

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



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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 adjusted/interpreted in collaboration between the teacher and the participant before being written on the board.

