

Teachers guide: Material Quality

Theme

- Material Properties
- Quality

Recommended duration

- 45 min.



INTRO

Introduction

The material includes a video that introduces the apprentice to the quality of materials. The purpose of the video is to give the student an understanding of when a material is of good quality or of lesser quality. For the video, a task has been created with a series of questions that the apprentice must find answers to.

The task ensures that the apprentice works with relevant topics to achieve the learning objectives of the material. Finally, knowledge sharing is done in the class, where the apprentice has the opportunity to share their answers to the questions in the task sheet and reflect on the content of the video.

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.

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Learning objectives

General:

- The apprentice gains insight into the differences in building materials regarding quality and strength.
- The apprentice achieves an understanding of when something can be recycled and when it cannot.
- The apprentice gains insight into different types of materials.
- The apprentice can describe in general what CE marking is.

Content and purpose:

- The participant should work with the concepts of material quality, properties, CE marking, and Design for separation.

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 on material quality

Tasks for the video (30 min.)

- After the students have watched the video, they should work on answering questions and solving tasks related to the topic, ensuring that the apprentice covers the content related to the learning objectives.

Wrap-up in plenum (10 min.)

- The teacher facilitates a summary of the new knowledge the apprentices have gained.

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.

