

Teacher's guide: Hazardous Substances in Wood Products

Theme

- Hazardous Substances

Recommended Duration in Hours

- 45 min



WOOD

Introduction

This module addresses toxic and hazardous substances used in wood, as well as the substances to which wood may be exposed throughout its lifespan. The module aims to provide insight into the hazardous substances one might encounter in relation to the following topics:

- What are hazardous substances?
- Demolition work involving hazardous substances.
- Recycling of wood products
- Reuse of wood products
- Disposal and incineration of wood products

The content is available on the website. Following module 2.3.3, a quiz in module 2.3.4 has been created, focusing on hazardous substances in wood products.

Preparation

- The teacher should guide the apprentice to read, watch, and interpret the content on the website.
- The teacher should assist the apprentice in interpreting the content on the website as needed.
- Following module 2.3.3, the teacher should engage apprentices in the quiz in module 2.3.4. These two modules are interconnected.
- The teacher should facilitate summarization, evaluation, and reflection.

Learning objectives

The apprentice can generally describe which wood materials may contain hazardous substances.

The apprentice can describe how to determine if a material contains hazardous substances.

The apprentice is capable of finding alternatives to hazardous materials.



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- The apprentice can be attentive to whether the task may involve hazardous substances.
- The apprentice can contribute to detecting whether the task involves a risk of handling hazardous substances.

Content and purpose

In the material, the apprentice works on understanding hazardous substances in wood products and how to investigate what the wood contains. Finally, there is a focus on the potential for reusing and recycling wood products, or whether the wood should be burned or deposited.

Suggested teaching plan

Teacher's Presentation (5 min.)

- Presentation of the learning element
- Getting students started on reading about hazardous substances in wood products on the website

Individual Work (35 min.)

- The apprentice reads text on the website about hazardous substances in wood products.
- The apprentice gathers information about hazardous substances and the potential for reuse, recycling, incineration, or disposal.

Plenary Recap (5 min.)

- The teacher facilitates a recap of the new knowledge the apprentice has gained and continues with module 2.3.4 – Quiz on hazardous substances.

Differentiation

For challenged apprentices, the teacher helps them understand the text on the website.

Proficient apprentices can read further about hazardous substances such as PCB, asbestos, PFAS, lead, etc., and how to handle them.

Feedback and Evaluation

The teacher provides feedback along the way.

