

# Teacher's guide: Where can the material be applied?

## Theme

- Recyclable materials
- Legislation
- Application
- Design

## Recommended duration

- 180 min.

WOOD



## Introduction

The purpose of the exercise is to provide the apprentice with insight into how specific recyclable materials can be incorporated. The apprentice becomes aware that processing the materials may be necessary for solving the exercise. The apprentice investigates what the legislation says in the respective country. The exercise is related to the video on Legislation, Fire, and Statics.

## Preparation

### The teacher should:

- Introduce the material/course
- Get the apprentice started on the task
- Assist the apprentice with task-related help

### The participant should:

- The apprentice should listen and understand the task
- The apprentice should seek information about legislation and possible applications
- The apprentice should create sketches and descriptions
- The apprentice should receive feedback from the instructor

### Organization:

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

## Learning objectives

The apprentice can describe proposals for incorporating recyclable materials into a specific task.

The apprentice can argue why 4 specific materials are suitable for recycling.



## Teacher's guide: Where can the material be applied?

- The apprentice has knowledge of how wood materials can be adapted and processed for reuse or recycling in wood constructions.

### Content and purpose

In this exercise, the apprentice must deal with a variety of materials from selective demolition that needs to be incorporated into a specific task. The apprentice must argue for the most meaningful way to process and use the materials, and what the legislation says in the respective country. The exercise includes sketch drawings and descriptions presented in class.

### Proposed teaching plan

#### Teacher's presentation (5 min.)

- Presentation of the learning element on the website
- Get students started on the task

#### Individual work (40 min.)

- The apprentice reads through the task on the website
- The apprentice comes up with ideas and suggestions for how the 4 recyclable materials can be used.

#### Groups of 2-3 people (105 min.)

- Form groups of 2-3 people and present your ideas and sketch proposals to each other.
- Discuss the possibilities, advantages, and disadvantages of your different sketch proposals.
- Choose one sketch proposal to work on further in the group.
- Develop the selected idea and explore additional information about possibilities, legal requirements, and the use of recycled wood in construction. Find out what the possibilities are and where it makes the most sense to use the products.
- Make final sketches of your idea for a construction or building component.

#### Presentation and conclusion (30 min.)

- Present your final idea and sketch proposal to the class and instructor.
- Evaluate the module in class and suggest improvements.

### Differentiation

The scope and thoroughness can be differentiated.

### Feedback and Evaluation

The instructor provides feedback to the apprentices throughout the process and finally.

