

Lesson Plan – Wood Products

Students read 'Wood Products' before class

View 'Wood in Many Forms' PowerPoint (20-25 min) - several videos are embedded. You will need the Teachers Notes for the narrative and extra information to share. (If time allows, others are listed in the [Video Reference Sheet](#).)

Activity 1 (15 min): Divide students into teams (3-5) and give each team one [Wood Products Worksheet](#). Have students look around the classroom for wood products & complete the worksheet. They will: list 9 products, marking "S" for 3 solid wood or lumber items, "F" for 3 made of wood fibers such as plywood, fiberboard or paper, and "O" for other material, not wood. They will choose from 8 characteristics of each item as pros or cons.

Possible items: desks, chairs, wood trim, pencils, boxes, flooring, shelving, paper, wood paneling, doors and window frames, signs, cabinets, etc.

Use the white board to list a few of the items and discuss the pros/cons – 5 min

Why was the material type used for each item? Ask students if they think the item was imported from another country. (Teacher reading '[Where did your house grow?](#)' will provide additional information.)

Read or write this definition:

recycle - verb (used with object) 1. to treat or process used or waste materials so as to make suitable for reuse.

Are any of these products recycled wood or other recycled materials?

Could solid wood have been used to make all of them? Why/Why Not?

Why was another material used? (Characteristics applied to non-wood products such as steel doors, plastic chairs, etc.)

<http://www.youtube.com/watch?v=KWOxOpfy12M> plastic wood recycling 2 min

Assignment or Activity 2: List 3 businesses in the area where you live and 5 wood products they use or sell.

Write a short essay (2 paragraphs) describing one way your world would change if there was no wood.

Outcomes: Students, through observations, will be able to differentiate between solid lumber, different types of remanufactured wood, and other materials and discuss benefits and disadvantages. They will identify social, economic, and structural characteristics for use of wood type or other material.

Supplies/Preparation

PowerPoint projector and computer with access to YouTube

Teacher- read '[Where did your house grown?](#)'

Chalk/whiteboard and markers

Read online (or print) student reading '[Wood Products](#)' (1 page)

Print [Wood Products Worksheet](#) (1 per team)

Students – Paper and pencil for assignment. (Could be used as classroom activity if time allows.)