

Oldest Item in Use

The service life of products

Individual assignment

Tell us about products that are already in use for a long time.

- Which object is the oldest in your daily use?
- What does this object mean to me?
- What properties does this item have?
- Could you have this item repaired/repared and what would that repair look like?
- Would you have this item repaired if it broke?
- Please bring this item or a photo of this item to class.

Prior repair or maintenance experiences

Discussing possible repair principles

Individual assignment

Tell us from Your previous repair experiences.

- What repair comes to mind first that you did yourself?
- Where did you learn this skill to repair this item?
- Why did the repair of this item become necessary?
- Was the repair difficult or easy and why?
- What knowledge did you gain from this repair?
- Where did you get (obtain) the tools to make the repair?
- What was the very first repair you made?
- What was the very last repair you made?
- Which repair are you most proud of?
- What repair did you not succeed in making?

Basic repair principles

Conclusions after excursion

Group assignment (3 participants per group)

Based on what you saw at the excursion, what basic principles for designing durable and repairable products can you infer?
Illustrate your thinking about the basic principles using a product from the field trip.

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Basic repair principles

Conclusions after repair workshop

Group assignment (3 participants per group)

Based on Your experience You gained during the repair workshop, what basic principles for designing durable and repairable products can you infer?

- What do you think are important aspects of repair?
- Name design approaches and measures to extend the service life of a product
- What conclusions can be drawn from the repair workshop for other product groups?

Mystery shopping

Estimate the reparability of existing products

Group assignment (3 participants per group)

Consider the following product groups:

- Seating furniture (which one can be chosen freely)
- Major household appliance
- Lighting
- Audio equipment
- Clothing
- Shoes
- Musical instruments

Answer the following questions for the product groups above:

- Can I find information on the products about longevity / reparability (warranty, notices, quality labels, eco-labels)?
- Can I get advice on durability and reparability?
- Can I tell from the product itself whether it is repairable or durable?
- Take photos of a negative example and a positive example of longevity and reparability.