

Class assignments

The teacher can create a mentimeter.com examination (or have the apprentices fill out a large piece of paper) to make a survey for the class. Ask them to answer the following questions in pairs or small groups. (15 minutes)

- What is work environment **to/for** you?
- What is a good/bad work environment to you?
- How do you work with work health at your workplace?
- What kind of equipment have you heard of and used to make your work environment safer?

Theory about exoskeletons (1 hour including videos from exoskeleton manufacturers)

The teacher goes through the data provided in the ppt, the idea of passive and active exoskeletons, videos, producers etc.

By using the following links, read the articles and take a stand what you agree and disagree with. (30 minutes)

[Benefits and Challenges of Exoskeleton Use in Construction](#) - October 9, 2023.

[What are the actual benefits of using exoskeletons in construction?](#) - October 28, 2022.

Practical assignment 1 (45- 60 minutes)

Have the apprentices work together in groups of 2-4 and have them try out the various exoskeletons. At first, they will only have to get acquainted with them. The teacher will aid the apprentices and demonstrate the use of them.

Practical assignment 2 (60-120 minutes)

The teacher must place workstations, which are used in real life scenarios. Have the students rotate in groups 2-4 apprentices between stations.

Example: Electrician apprentices work in situations where cables must be installed above shoulder height, close to the ground and so on. The point is to have the apprentices take into consideration that not all work is placed right in front of them.



The apprentices take notes on what they are experiencing while working without exoskeletons. Have the apprentices rotate after 15 minutes. 2-4 apprentices, on 4 workstations (have various situations).

After the first run, the apprentices try various exoskeletons at the different stations.

They will then have to decide on the pro and cons of the various exoskeletons. The assignment should be written down. The teacher can decide on whether the apprentices should present their results to the rest of the class.

Learning tools

<https://www.mentimeter.com/>

<https://kahoot.com/>

<https://www.socrative.com/>

<https://brilliant.org/>