

# Installation of a hand sink with MetaQuest2 – v1:

Technology tools (version):	Hardware: MetaQuest2
Requirements: What do you need? (Think hardware, skills, knowledge.)	Meta Quest 2  App: APK “handwasbakje aansluiten” <a href="https://www.klascement.net/app-of-software/161403/aansluiten-handwasbakje-virtuele-realiteit/?previous">https://www.klascement.net/app-of-software/161403/aansluiten-handwasbakje-virtuele-realiteit/?previous</a>  Stable Wifi connection
Optional technologies:	
Date:	8/01/2024
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Topics of the lesson(s):	Installation of a hand sink in VR, virtual reality
Estimated time:	60 min

Lesson title/subject: Installation of a hand sink



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**Intention:** What do you wish for or hope to happen? (Intentions are often not measurable or tangible, but help you in developing the design process.)

Students learn the several steps of the installation of a hand sink

1. Students learn to connect the installation of copper tubes.
2. Students learn the connection of a wall plate tap.
3. Students learn to brass the copper from the connections.
4. Students learn to connect the plastic pipes for drainage.
5. Students learn to install a syphon.
6. After the installation the student tests the installation.

**Desired Outcomes:** One or more measurable and tangible goals the teacher aims for with this lesson/these lessons.

The students learn the installation of a wash basin. They have to know what components they have to use and how the installation has to be done.

**Agenda:** HOW are you going to reach the goals? Description of the lesson plan / educational activities / working methods.

1. Students come to the classroom. The teachers ask the students what they know about installation of sanitary components.
2. The teacher gives examples of how to install a hand sink.
3. The teacher explains the several components they have to use to install a hand sink.
4. The teacher gives the properties of the components.
5. The teacher explains the necessary steps.
6. The teacher shows on the PowerPoint the several steps on the VR glasses.
7. The students can test with the VR glasses. Before they can go to make a real installation of the hand sink.

**Roles:** Who facilitates what? Who participates? What do we expect of the students?

For students STEM from 16 to 18 years old

1. Teacher -> instructs, leads the lesson
2. Students -> take part in the class activity

**Rules:** Rules or principles are about how you want to learn and work together.

1. Open atmosphere -> everybody can share his/her experience with the class.



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2. Have respect for everybody that is taking part in the activity. Be quiet and let everyone experience the process

**Time:** Describe the time path: What time do we start / finish / break? When is the time for reflection? What happens between contact times?

1. (3min) students in the classroom.
  2. (5min) Introduction to sanitary.
  3. (20min) The teacher talks about the installation and the components of the wash basin.
  4. (10min) The teacher shows the steps in the VR glasses.
  5. (20min) The students try the VR glasses out and they do the practice a few times.
  6. (2min) The end of the lessons.
- Approximately +- 60 min.