

PREPARE

- QUIZZ: Formative exam: questions related to the lecture (10 minutes)

EXPLORATION

- 2.Challenge Introduction: Every group (max 2) gets a different part that they have to replicate. (5 minutes)
- 3. Select and Assembly; Students assemble the machine, configuration choice differs per part that has to be replicated (7 minutes)
- 4.Manufacture and experience. Students use the machine and experience/struggle what works and what does not. (10 minutes)
- 5.Personal reflection: They write down their findings and questions on a white-board (5 minutes)

REFLECT

- 6. Direct Instruction: Video with explanation of the processes (10 minutes)
- 7. They can try again with the same part: (5 minutes)
- 8. They reflect on the process and write down design guidelines, manufacturing limitations and opportunities (10 minutes)

FACILITATE

- 9. Share: They share their struggles, design guidelines, manufacturing limitations and opportunities. With the rest of the studio (they are the facilitator) (30 minutes)

REPEAT

- 10. Personal exploration: If students want to deepen their knowledge and experience other configurations they can do so outside of the workshop hours.