

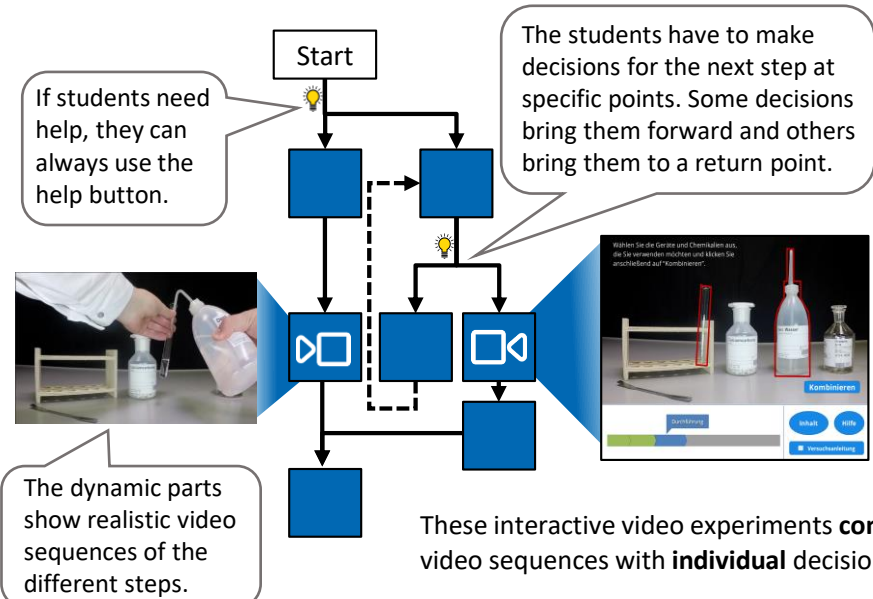


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Interactive Video Experiments as a Chance for Inclusive Learning

Idea

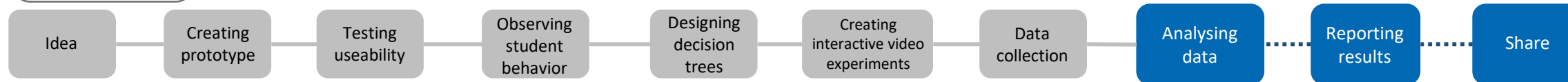
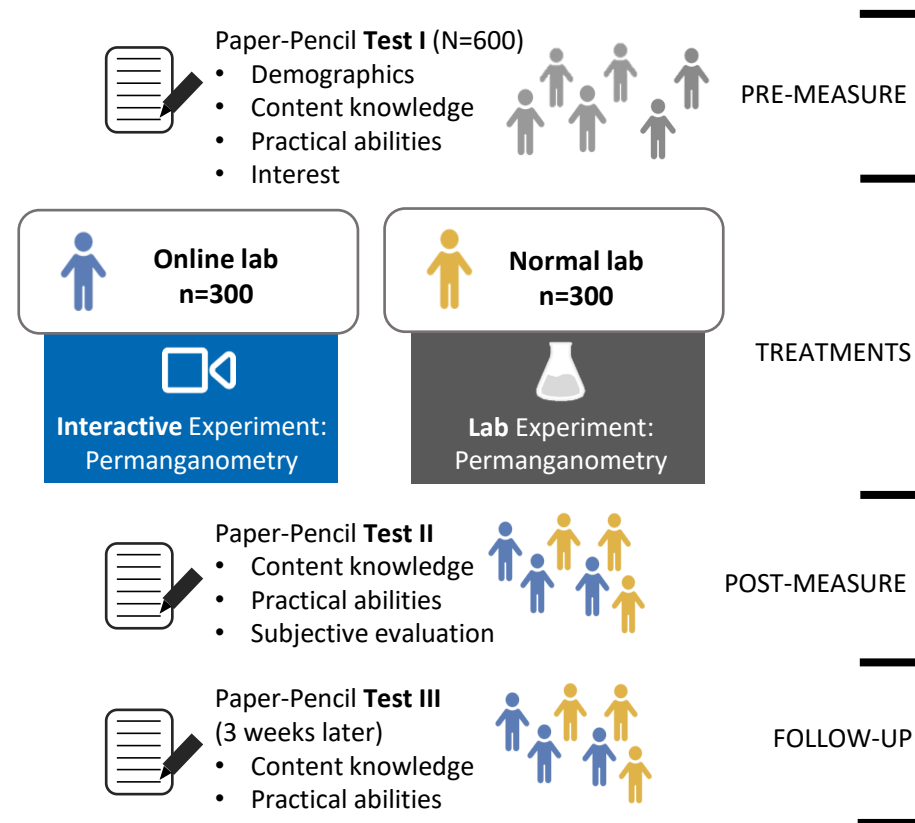
- **Aim:** enable everyone to participate in the lab
- **Target group:** undergraduate students in a general chemistry lab
- **Solution:** interactive video experiments
- **Design principle:** interactivity, individuality and realism
- **Videos based on:** decision trees deduced from students' real lab decisions



Research Question

Is it possible to foster practical lab skills through interactive video experiments compared to normal lab experiments?

Study



Soon available on our **website:**
www.uni-giessen.de/dc

- Permanganometry
- Identification of density of an isotonic saline solution

- Identification of water hardness
- Identification of the reaction rate constant of the saponification of ethyl acetate

- Disproportionation of chlorine
- Solvation of marble in diluted hydrochloric acid