

DiCoTe

KickOff Halle, Germany

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Biology Education

Overview

2 Activities during Corona Lockdown

- Hybrid teaching of 120 volunteers
- Creating online lessons together with the regional radio station



Demands on creating an attractive course for 120 volunteers (at DRK German Red Cross)

- Information
 - Information is everywhere available
 - How to present the really important facts?
- Active Learning
 - Not only listening
 - Motivating and interesting
- Corona Distancing
 - Only 5 persons per group
 - Space between them



A short experiment on the function of soap, which can be done at home



Team for Preparing and Teaching



Change between Morning and Afternoon

- In the morning: online
- In the afternoon: outdoor activity

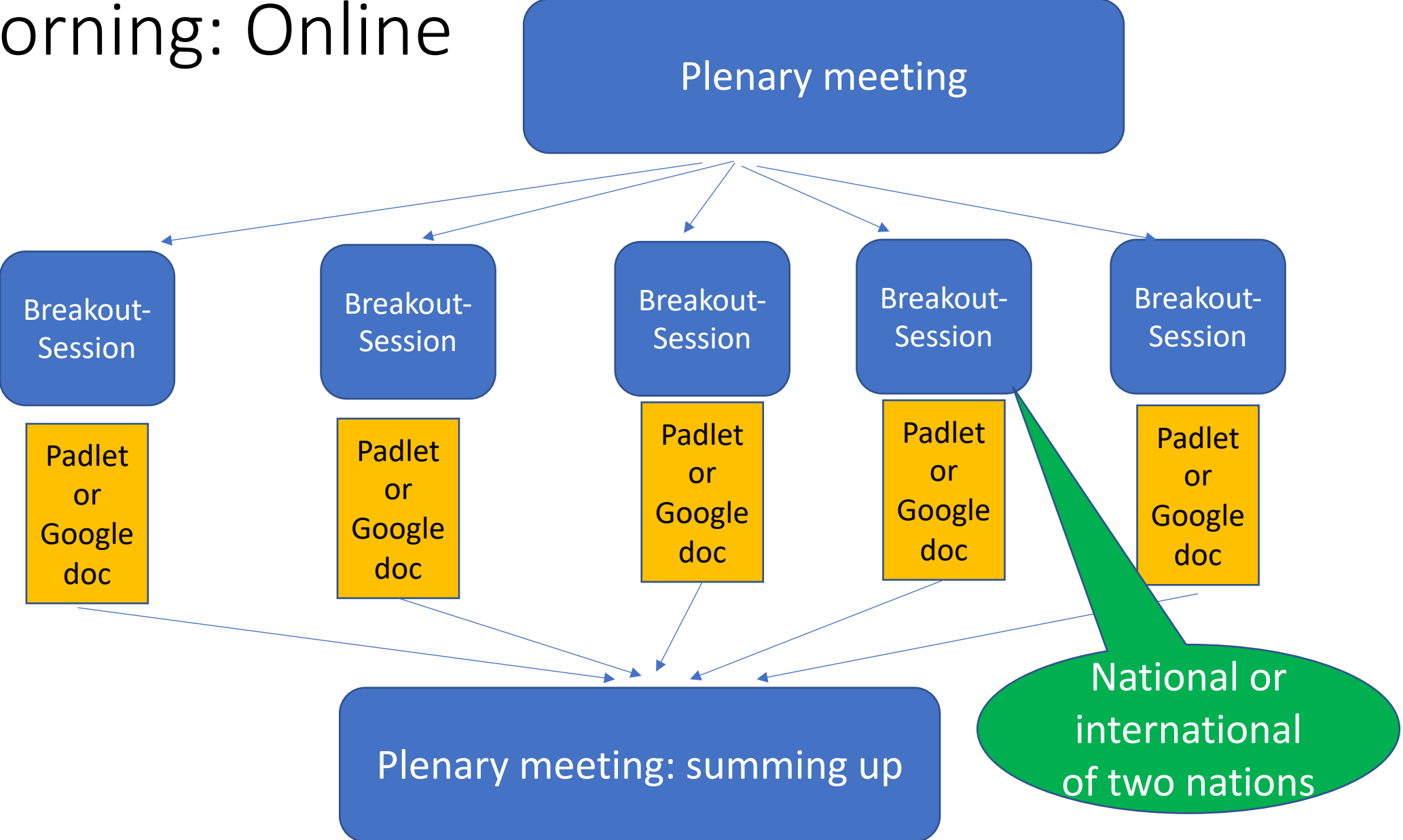


<https://studium.ruhr-uni-bochum.de/de/lernorte-auf-dem-rub-campus>



In the morning: Online

Active Conference 45-60 min
Break 15 min
Active Conference, e.g. Breakout 45 min
Break 15 min
Active Conference 45-60 min

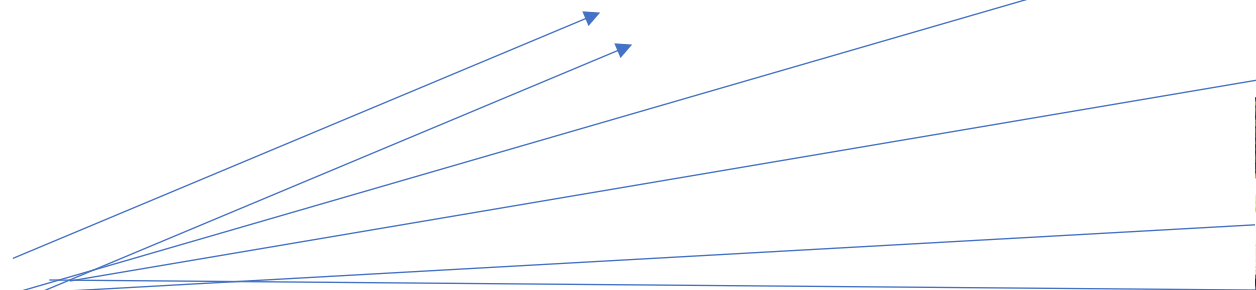


Afternoon: Working in groups on outdoor stations



Groups of 3-5 persons

120 Persons

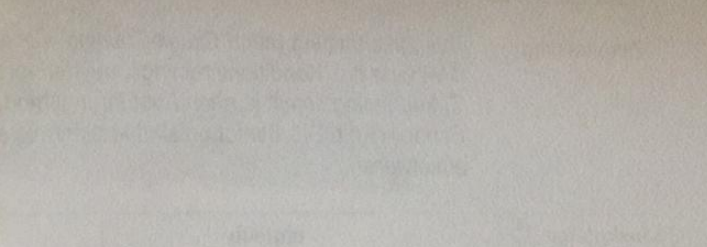


Activities for Sport and for motion control

Russian Twist



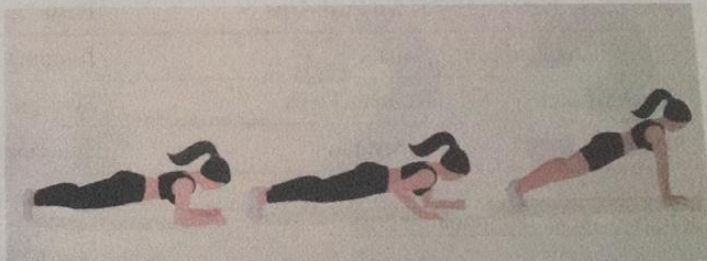
Sit-Ups



Superman



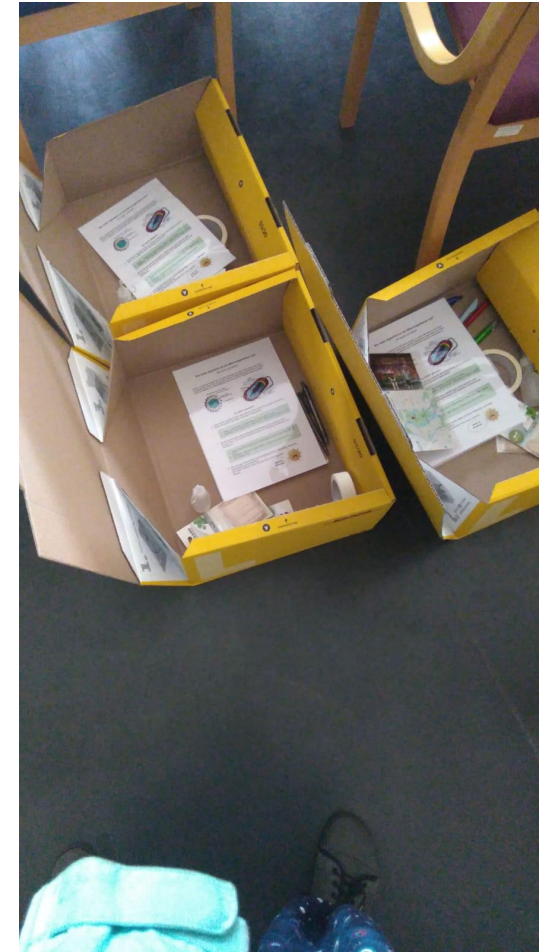
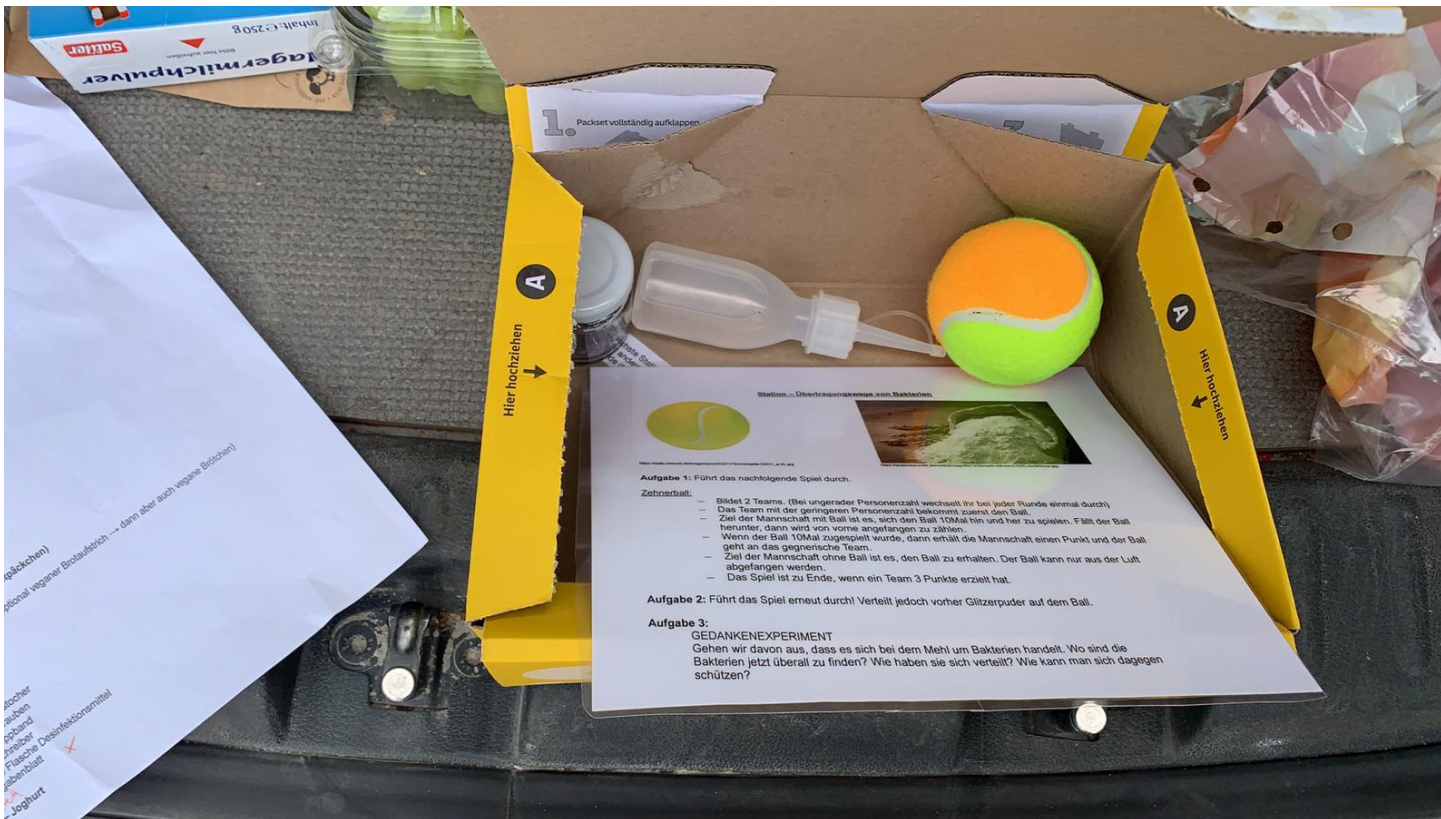
Plank To Push Up



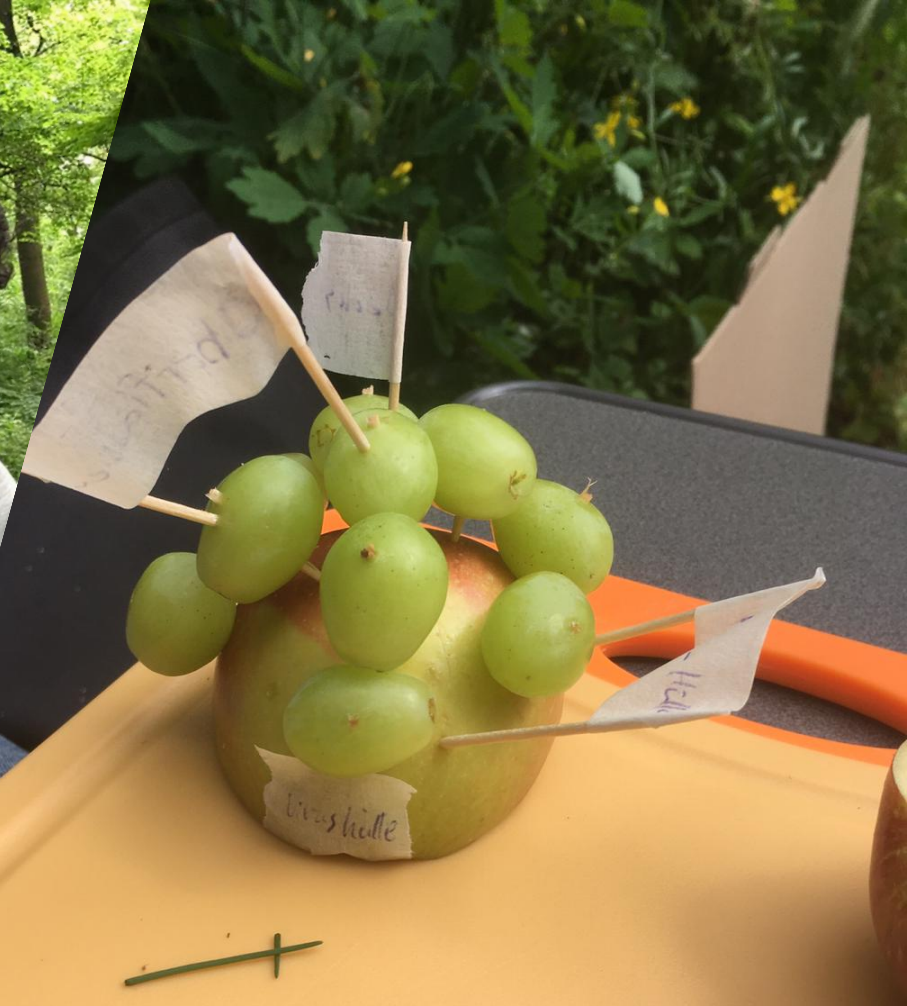
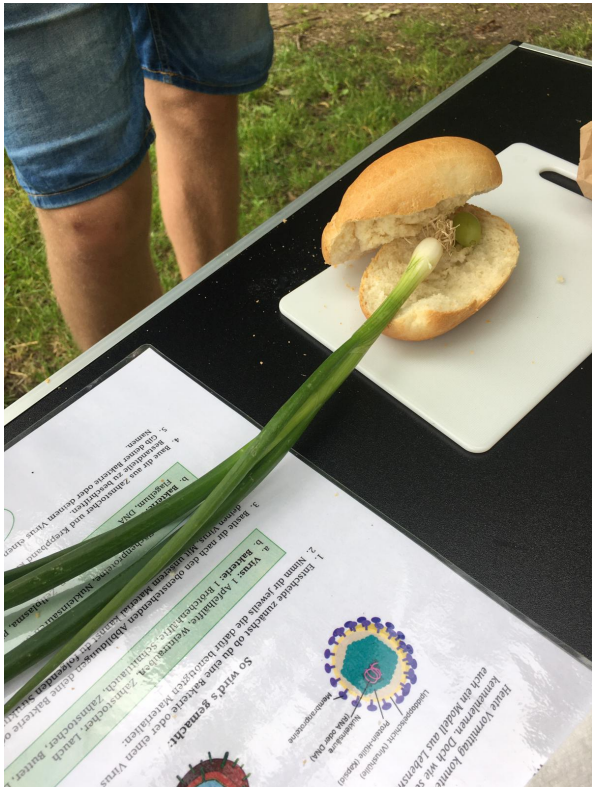
Challenge Geo-Caching to find stations



Experimental Boxes



Results: How does a bacterium or a virus look?



How to create an online lesson?

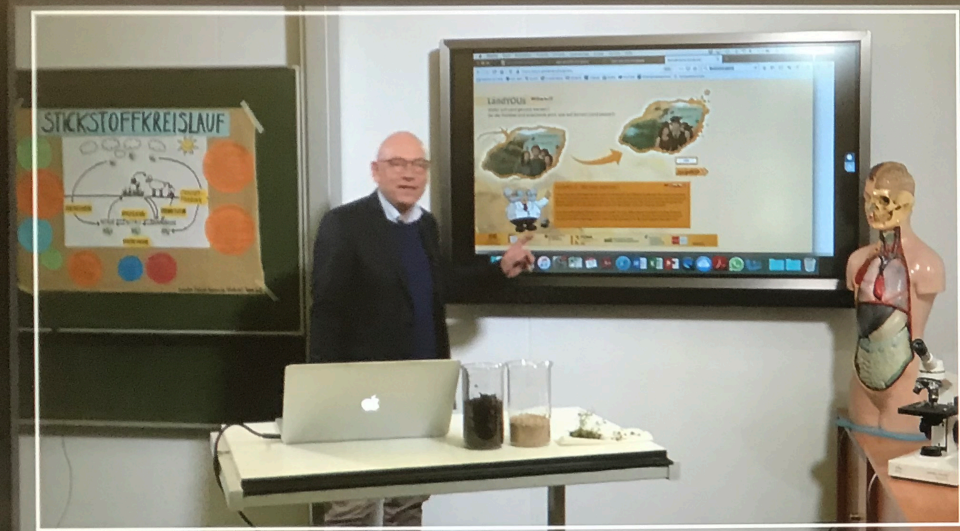
- First lockdown
- Regional broadcasting station wanted to create school lessons
- Live with comment on facebook
- 29.000 clics



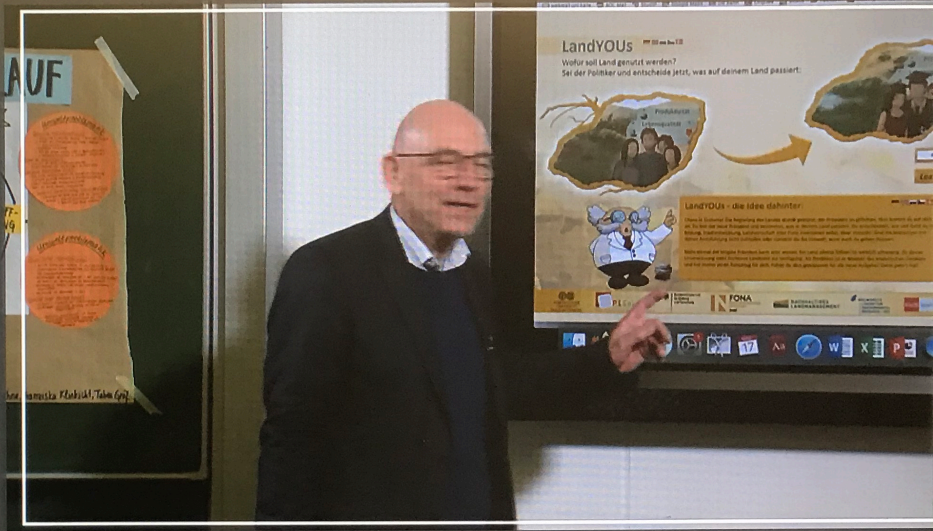
High tech

- Screen of the technician

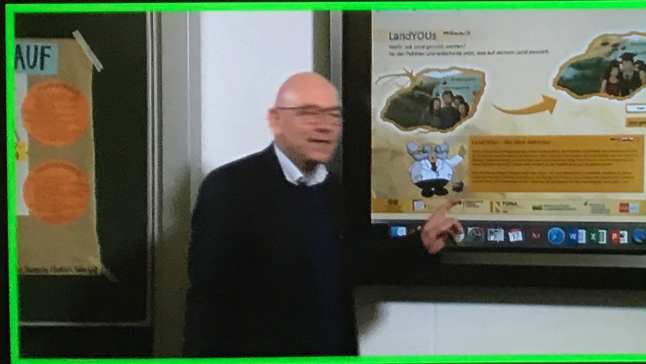
MULTI FORMAT



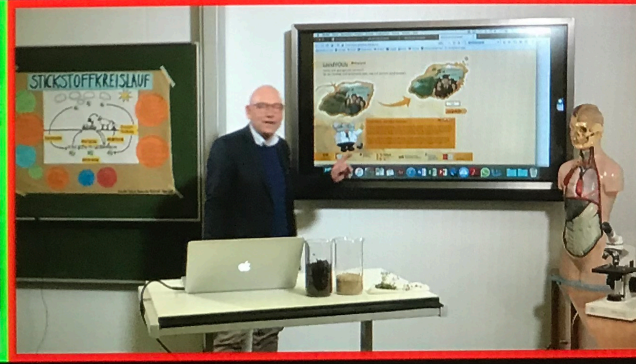
PGM



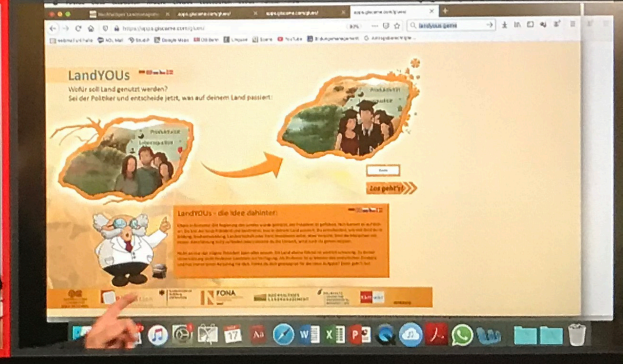
PVW



Prof.

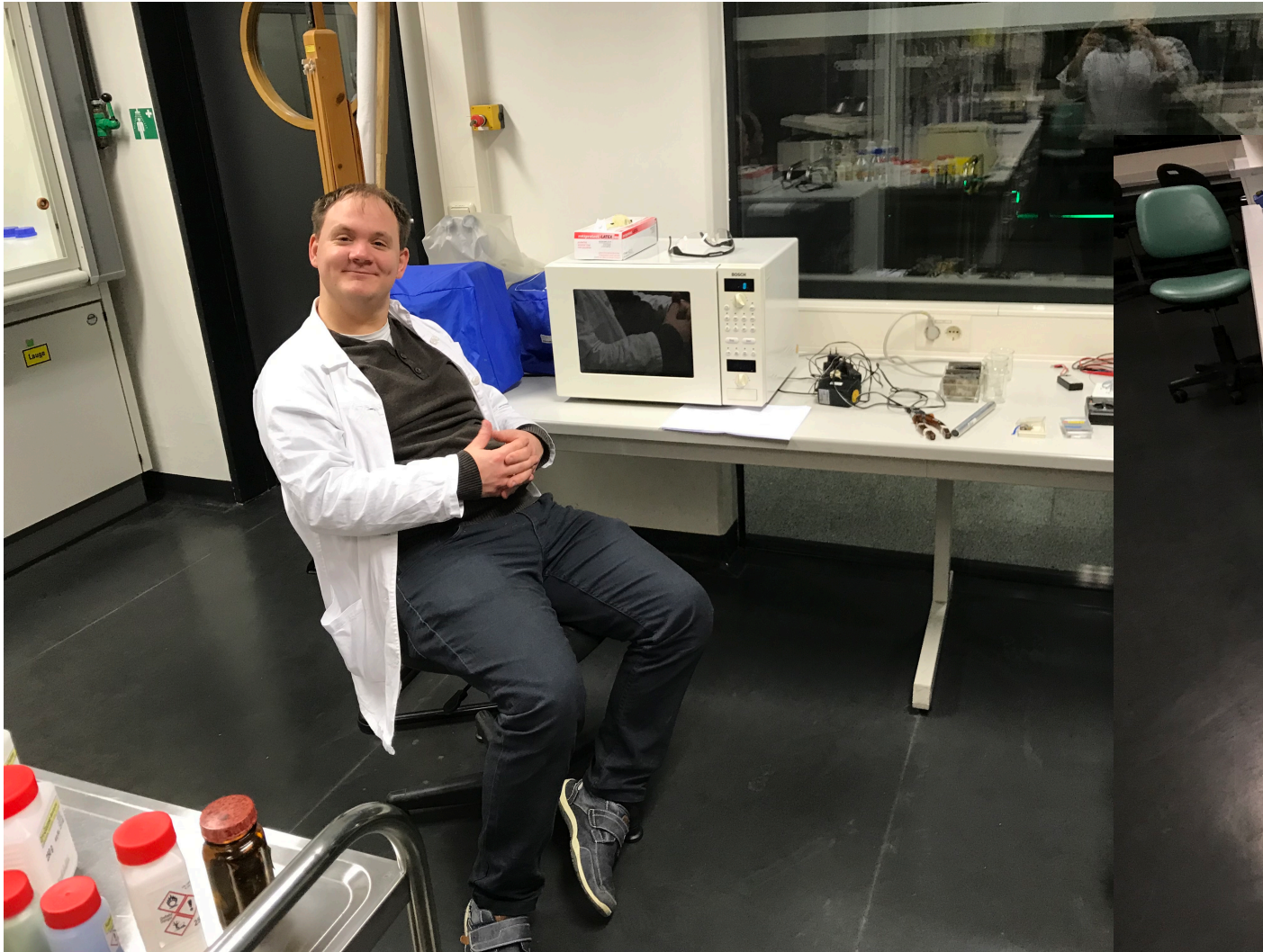


Totale



Tafel

Preparing and showing experiments





beschäftigen ...

Neu

Seuchen und ihre Geschichte | #gernelernen mit MDR WISSEN | MDR

306 Aufrufe • vor 1 Tag



MDR Mitteldeutscher Rundfunk ✓

Worin unterscheiden sich Bakterien und Viren? Wie verliefen andere Pandemien - wie die Pest und die Cholera? MDR WISSEN ...

Neu

Evolution | #gernelernen mit MDR WISSEN | MDR

54 Aufrufe • vor 1 Tag



MDR Mitteldeutscher Rundfunk ✓

Weiterlernen mit MDR WISSEN! Prof. Dr. Lindners Thema heute: die Evolution. Sie erklärt die Veränderung von vererbaren ...

Neu

Screenshots



- Including small activities and observations at everyday items



Feedback

Correction of data



- Through Facebook and Instagram organized by MDR broadcasting station
- 29.000 Clicks
- Feedback from former students, who are now teachers
 - They recommended the lessons to their students for home-schooling
- Feedback from others: one woman reported, she is already 46 years old, but watches the lessons like a student

Questions for Discussion

- What can we provide in online teaching to foster active learning?
- What are the main mistakes of online-teaching?
- How to enable social embeddedness (relatedness) despite online distancing?