



Virtual Dive

Dive Protocol | REEFolution



Equipment

- A 1 VR-Headset
- B 1 Snorkel (optional)
- C 1 Smartphone
- D 1 Worksheet
- E 1 Pen or pencil



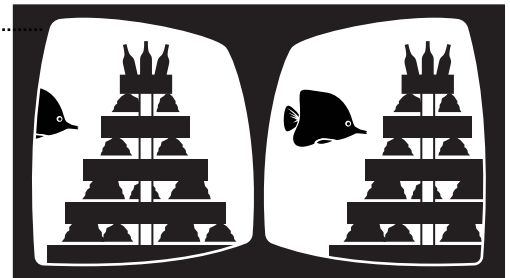
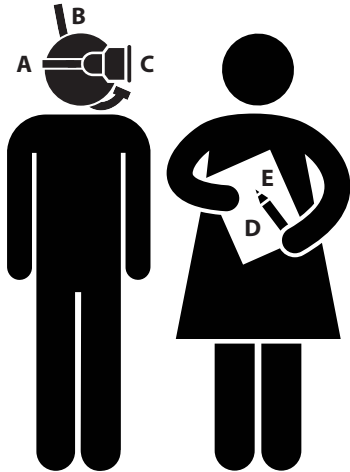
Preparation

- Install 'VR Media Player - 360° Viewer' on the smartphone
- Attach the snorkel to the VR-Headset



Time

- It takes about 10 minutes to complete 1 worksheet



Dive plan

Launch the app 'VR Media Player - 360° Viewer' and open the 360° image of our coral reef restoration project. If the app hasn't been installed yet, then please scan the QR-code above and follow the instructions. Tap on the mask icon and turn the smartphone in landscape position to get a split view suitable for the VR-headset. The buddy team splits into a diver and a researcher. The diver puts the smartphone in the VR-headset and adjusts the lenses to get a sharp image. The researcher is reading out loud the questions on the worksheet and the diver looks around to find the answers while breathing through the snorkel. When all answers have been given and noted on the worksheet the buddyteam switches roles to verify the answers. Switch off the smartphone when done.

Put the descriptions of the 4 area's in the right order (1-4):

- Healthy reef
- Coral tree nursery area
- Damaged reef
- Artificial reef

Which sea creatures can you find in each area?

Healthy reef: _____
Coral tree nursery area: _____
Damaged reef: _____
Artificial reef: _____

How can you tell the broken piece of coral is dying?

- It's on the ground where there is a lot of sediment
- It's being attacked by predators such as star fish
- It's bleaching
- It's rolling on the sea floor because of currents

What different structures make up the artificial reef?

- Bottle reefs
- Layered cakes
- Coral trees
- Metal cage

How does a coral tree nursery stay upright in the water?

- It has a lot of weight
- It has a solid trunk from top to bottom
- It has a couple of floaters
- It has been build out of concrete

What is the role of the diver at the bottom?

- Monitoring the different structures
- Measuring the state of the reef
- Enjoying the under water environment
- Learning about marine life



Precautions

- Move your head slowly to look around in the virtual reef and let your buddy guide you so you don't hit anything around you
- If the screen is blurred, adjust the lenses with the sliders and wheel on top of the mask
- When the virtual reef appears double or distorted then look up to the surface to let your eyes adjust to the image
- If you feel nauseous, take off the VR-headset and sit down for a minute