VR e-learning

VR Enabled Remote Classroom

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VEYE 360 real time live streaming solution

We invite you to visit the benefits of connected schools

Challenge:

- Providing quality education to all Africans
- Providing an immersive online education solution keeping the learners attention
- Learner aids are not always available
- Providing remote and enhanced teacher training
- How to catch up a lesson if the learner are absent?

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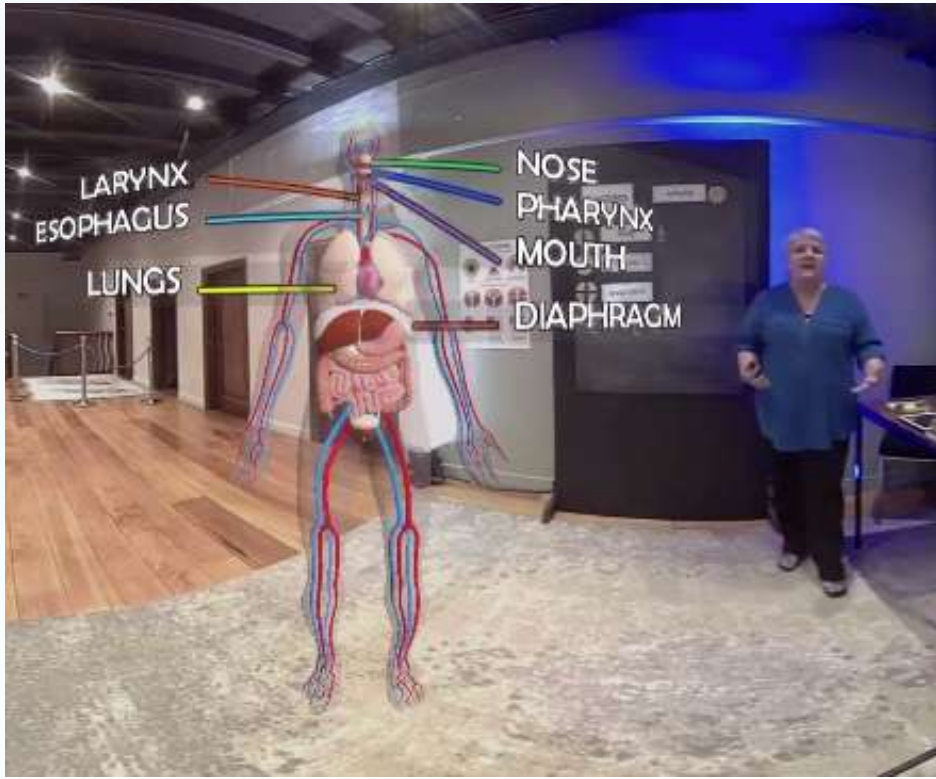
The concept of Bubo VR e-learning

- Bubo provides for immersive remote learning during Covid Pandemic, but also to cover a lack of teachers
- Bubo Multiplies teachers by VR streams enriched by virtual Elements
- A full web-platform based digital learning workflow

Link: See Video



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Platform and Equipment

Without any additional hardware, laptop only

Laptop camera

VEYE 360° camera

Portal& VEYE Cloud

- add content in the online editor
- create interactive content to be shown in the stream
- presentations can be recorded and stored for later use

To Desktop

Tablet and mobile Phone

To XR glasses for mobile Usage

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The Bubo Features:

Easy to create content via browser based content creator

- Various types of interactive exercises an, with evaluation system, and instant feedback for the pupils, even animated 3d objects

Real time Evaluation

- Gamification: For a better motivation, children get instant feedback like they know it form games
- Learning progress is monitored in real-time

Virtual smart board

- Students can write their tablets on the smartboard in real time, visible for all participants

Groups

- Inline Social Media: The group feature is a closed social media to provide secure communication in the classes.

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The POC: Containers with the VR-elearning are travelling through rural areas of South Africa, and a learning lab in Johannesburg is in place

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Advantages for the students

- Attention Time of most children is less than 3min, the VR goggles provide focus
- Virtual elements provides learner aids to all
- Result is a more intense learning

VR Classroom (315 students) vs Normal Classroom (225 students)

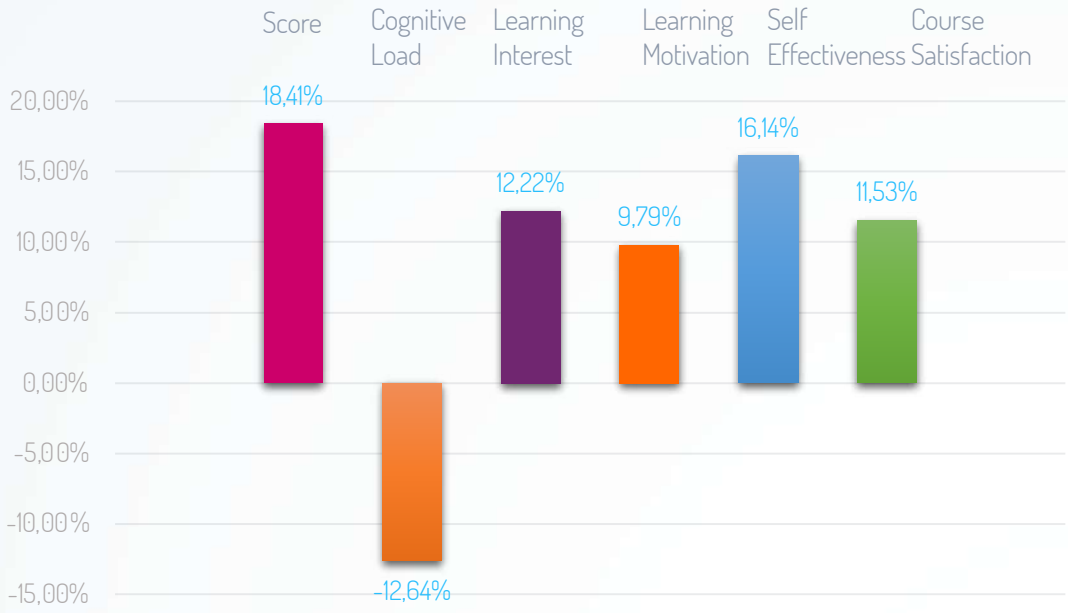

Chart data from Zhu Chuanjun, 2019

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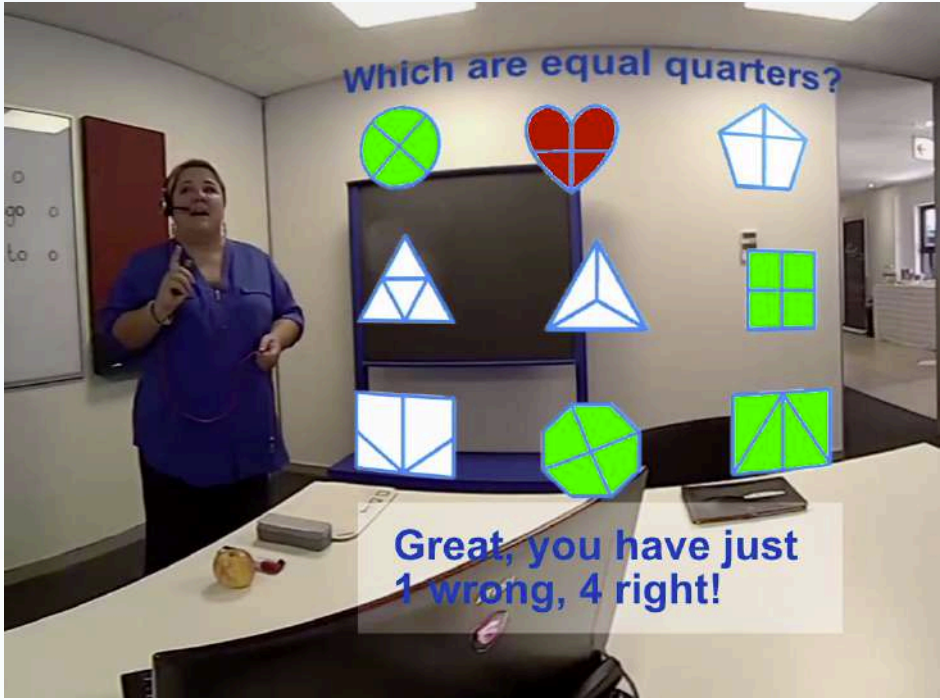
Advantages for the teacher

- The teacher can still use classic teaching elements like a black board, objects, but also virtual assets and interactive exercises
- Easy content creation via web browser
- Realtime progress evaluation
- Realtime audio feedback



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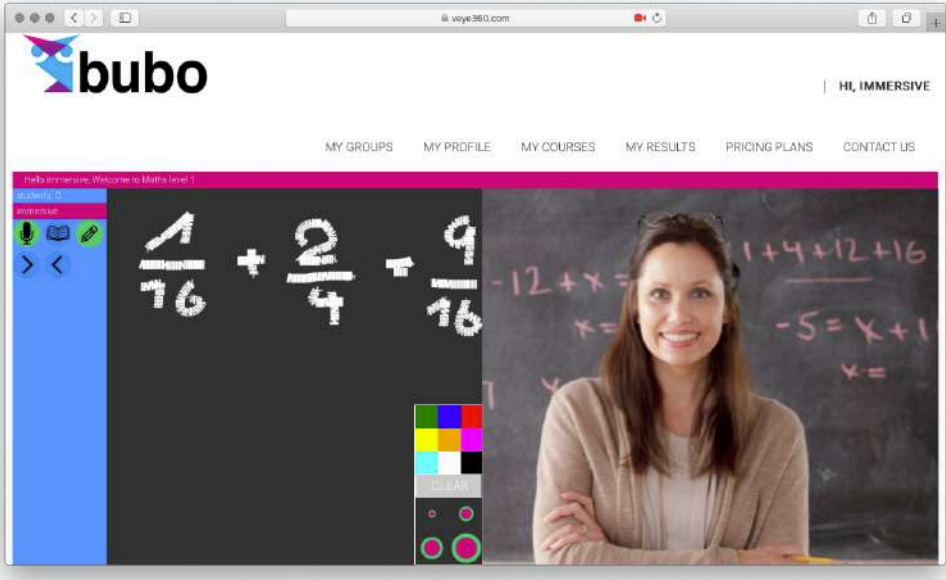
Advantages for the school

- Unattended school hours can be covered by teachers form other schools
- Entry-level VR-glasses are with USD 150 less expensive than a computer, but the system is open to all devices
- Best solution to do teacher training is experienced based – teacher in training can view how an experienced teacher conducts a call



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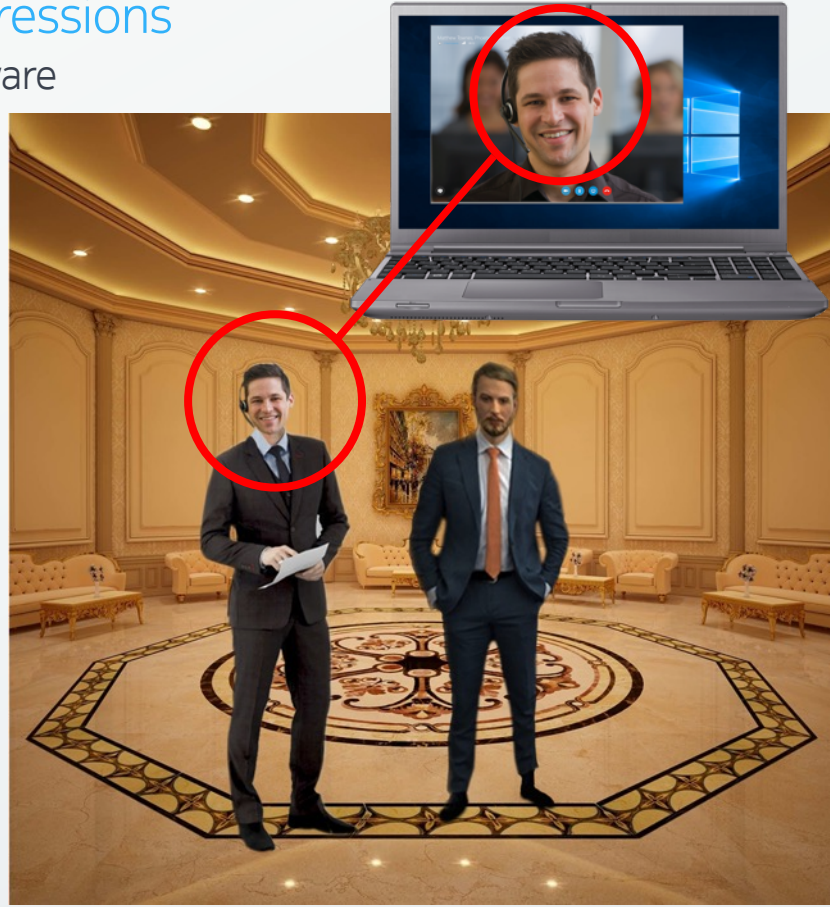
The only spatial communication tool with expressions

Take part form your laptop, without any additional hardware

- All other VR communication tools have avatars but no facial expression or mimic, crucial for immersive talks
- Your face is cropped by AI form your laptop camera and mapped as a video livestream on your avatar's face
- Your can choose your avatar form the built in library of scanned avatars or upload your own scan.
- You move on the laptop like in games with the arrows and mouse, look around by scrolling/swiping



(All 3D avatars shown here are ready 3D footage for small costs)

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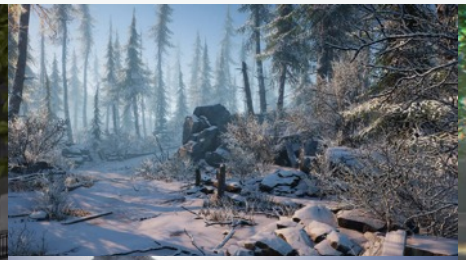
Meeting rooms: Meet where want to be

why rebuild in virtual reality same real life grey offices ?

- Best talks (in real life) are done while walking and talking
- Inspiring spaces give a talk new dimensions



(All here shown 3D environments are ready 3D footage for small costs)

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Meeting rooms: Walk and talk and co-work

why rebuild in virtual reality same real life grey offices ?

- Project a presentation, a video, post it or
  a draw on a canvas in the sky
- Have all information simultaneously available as you can look around like in real life
- With doors you can switch between rooms or enter a private breakout-room

(All here shown 3D environments are ready 3D footage for small spots)

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The Partnerships | Clients:

NOKIA

Fraunhofer

GOT-GAME

P·E·A·C·E

holographic studios

Memberships:

VRBB Virtual Reality Berlin-Brandenburg e.V.

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If you want to try out Bubo, just visit our development site:
https://veye360.com
We would be very pleased to take further steps with you!

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