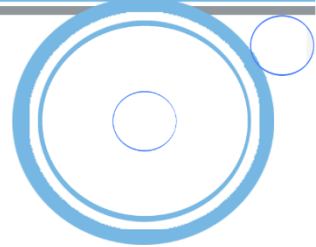


# A VRLE For Midwifery Students

## 3D and VR Training at Bournemouth University



*“I think this is a really fab idea! Something health education is really missing”*



### REQUIREMENT

Bournemouth University was looking for a way to give healthcare students an additional place to develop their confidence, knowledge and understanding at a time and pace which suits them as individuals.

Project lead Denyse King was “looking for an option which worked in partnership with traditional teaching methods rather than as a replacement for this.”

“It is a different and enjoyable way to learn.”

“I think it is a good way of demonstrating what it is like to be in someone else’s shoes.”

“The VRLE is a really useful learning tool that I hope is continuously used throughout the duration of our course.”

View a video presentation on the exercise by Denyse at:

[https://www.youtube.com/watch?v=qwAX-2ukv\\_o](https://www.youtube.com/watch?v=qwAX-2ukv_o)

### OUR SOLUTION

Daden worked with the project lead to implement three different training experiences for students on our Trainingscapes platform:

- A urinalysis appointment in a health centre clinic
- Care in the community virtual experiences to practice safeguarding skills with two different families
- Dealing with the clinical emergency of a postpartum haemorrhage in a hospital setting

The projects support students to develop “physical clinical skills”, humanisation of healthcare and enhancing their clinical intuition.

In each exercise students can interact with equipment and a variety of non-player characters, and student performance was either tracked on a Red-Amber-Green basis, and two of the VRLE gave students an option to flag “gut feeling” or “alarm bell” concerns.

### RESULTS

The Virtual Reality Learning Environment (VRLE) exercises are now embedded into some of the healthcare curriculums at Bournemouth and they have been expanding the number of student licenses they have.

The exercises have been particularly useful during the first wave of COVID19 when some students were not able to access clinical practice placements.

Some student quotes are included at left (and above). Detailed results will be published in Denyse doctoral research but “the evidence gathered from 311 healthcare students demonstrates that VRLE have a statistically significant positive impact on: learning, confidence, clinical intuition, humanisation of healthcare and students’ perceived positive onward impact on service user safety.”