AR IN THE CLASSROOM
WITH DR WENYA XU

KNOWLEDGE

1. What is augmented reality (AR) and how is it different to virtual reality (VR)?

2. What device did Wenya’s research team use for their AR platform and why?

COMPREHENSION

3. Why do researchers think trigonometry is particularly challenging for some students to learn?

4. How did the researchers find out if their method helped students to learn trigonometry? Briefly describe their experiment.

APPLICATION

5. How could AR be used to help students learn mathematics, according to researchers?

6. If you were a teacher, how would you use AR to teach other subjects?

ANALYSIS

7. Consider the exam results. How did the experimental group perform compared to the control group?

8. What could be the reason(s) that the difference between scores was much higher for one exam in particular, compared to the other three?

EVALUATION

9. What do you think of the idea of using an AR interface to learn in the classroom?

10. In the future, how would you like to see AR support your learning?

MORE RESOURCES

For training courses and updates in the AR industry, visit:
AugmentedReality.org

Check out Interesting Engineering for further reading on the use of AR for STEM education:

To explore opportunities in STEM education, the UNITE pre-engineering summer programme at Jackson State University is aimed at students entering 9th grade from historically underserved groups in STEM. Find out if you are a suitable candidate at:
https://www.jsu.edu/uni/