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Promoting autonomous learning: Incorporating Augmented Reality into Foreign Language Classroom

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Presentation Agenda

Augmented Reality (AR) in education: Concepts,

functions, & values

Application of AR in Education: Examples

Demonstration of AR in Foreign Language

classrooms for different instructional purposes

Q & A session



What is Augmented Reality?

Augmented reality (AR) is “an interactive experience in a real-world environment where the **objects** that exist in the real-world **are enhanced by computer-generated perceptual information**, sometimes projected across multiple sensory modalities, including visual, auditory, haptic, somatosensory and olfactory.”

https://en.wikipedia.org/wiki/Augmented_reality



AR in education

Popularity in mobile technology in education

Accessibility, portability, and connectivity:

Students can study or review materials (through AR) anytime, anywhere.

It became a powerful learning tool for tech-native generation, i.e., Generation Z, in particular

AR in Education

enables learning in and beyond the classroom

(Lai, 2017, Lindgen & Johnson-Grenber, 2016)

facilitates individualized learning and learner
autonomy (Benson, 2011)

provides collaborative & interactive learning
environment (Chapell, 2001)

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AR samples in classroom

Learning Abstract concepts

<https://www.youtube.com/watch?v=GG90QEvwmEU>

Teaching pronunciation

https://www.youtube.com/watch?v=Y0_zwxNfZlq

Teaching basic vocabulary words interactively

<https://www.youtube.com/watch?v=l1a6vAY1qjo&t=124s>



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AR in Foreign Language Classroom: Examples

Provides differentiated instruction

.g., Provide students with options to use additional, tailored resources/materials/ homework assignments

Conduct Information-gap activity

Self-paced grammar review

Retrieve information from previous lessons.

Provide immediate written feedback

ong-based grammar/reading lesson