Promoting autonomous learning: Incorporating Augmented Reality into Foreign Language Classroom

Gyseon Bae, Ph.D. & Jaemin Park

Defense Language Institute Foreign Language Center
Disclaimer

• This presentation is authorized by the Defense Language Institute Foreign Language Center and the Department of Defense. Contents of this presentation are not necessarily the official views of, or endorsed by, the U.S. Government, or the Department of the Army.

• All material displayed within this presentation is for educational purposes only.

• All third party information featured in the presentation slides remain the intellectual property of their respective originators. All use of information is done under the fair use copyright principal, and the author(s) of this presentation do not assert any claim of copyright for any quotation, statistic, fact, figure, data or any other content that has been sourced from the public domain.

• The content of this presentation is the sole responsibility of [name of author(s) / presenter(s)].
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 reside in the real-world are enhanced by computer-generated perceptual information, sometimes across multiple sensory modalities, including visual, auditory, haptic, somatosensory and olfactory.”

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)
Learning Abstract concepts
://www.youtube.com/watch?v=GG90QEvywEU

Teaching pronunciation
://www.youtube.com/watch?v=Y0_zwxNfZlg

Teaching basic vocabulary words interactively
://www.youtube.com/watch?v=l1a6vAY1gjo&t=124s
Provides differentiated instruction
E.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
Long-based grammar/reading lesson