

# The power of augmented reality for education

Augmented reality (AR) is a technology that places digital objects and information over the real world.

AR is delivered through computers, mobile devices, headsets or glasses. Mobile device AR is the most popular.

**AR has special learning affordances (properties) that can be used to engage students and promote deep learning:**



AR can motivate student learning and foster collaboration.



AR allows text to align with visuals to focus learner attention on the task.



Content can be transformed from text to interactive visuals.



Learners can have impossible or infeasible experiences in AR (like watching dinosaurs have dinner).

When using mobile device AR, educators should consider the safety of students who may get distracted when moving around.

When creating and sharing AR content, teachers should consider student privacy, and intellectual property and copyright issues.

Infographic by Erica Southgate PhD, Karen Blackmore PhD, Stephanie Pieschl PhD, and Susan Grimes PhD. It is based on research by:

- Akçayır, M., & Akçayır, G. (2017). Advantages and challenges associated with augmented reality for education: A systematic review of the literature. *Educational Research Review*, 20, 1-11.
- Ibáñez, M. B., & Delgado-Kloos, C. (2018). Augmented reality for STEM learning: A systematic review. *Computers & Education*. Online First.

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