

What Does the Evidence Say about Designing Multimedia Instruction for Meaningful Learning?

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How should we design multimedia instruction to optimize student learning? This talk summarizes our program of research on applying the science of learning, the science of instruction, and the science of assessment to the design of effective instructional multimedia lessons. The talk spells out a theoretical framework for how multimedia learning works and shares 15 evidence-based principles for the instructional design of effective multimedia lessons. This work is at the intersection of cognition, instruction, and technology.