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Running Head: multimedia animation and multidimensional concept maps

Effects on learning of multimedia animation combined with multidimensional concept maps

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Abstract

This study investigates whether teaching materials combining multimedia animation and multidimensional concept maps (MAMCMs) improve learning achievement, retention, and satisfaction more than multidimensional concept maps (MCMs), as suggested by Huang *et al.* (2012) in *Computers & Education*. Learning retention, learning achievement, and learning

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