

Zombies, foxes and murder: experiences in learning and teaching quantitative biology using technology

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Since the publication of the National Research Council's Report *BIO2010*, efforts have increased to better integrate mathematics and biology at the undergraduate level. Unfortunately, similar efforts to introduce quantitative biology at the secondary level have been seldom. This can lead to quantitative achievement mismatch in students from different secondary backgrounds. We believe that technology can be used in order to diminish this mismatch. Technology has become pervasive in the personal lives of secondary and undergraduate students, but some instructors are hesitant to incorporate technology into pedagogy. In this work, we review available resources for teaching quantitative biology with technology, and anecdotally explore the effectiveness of learning with and teaching with these resources.

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