

Abstract Submitted
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Head-Fake Learning JUSTIN G HADAD, University of North Carolina
— Head-fake learning (HFL) is a form of teaching material wherein the students do not realize the form or complexity of what they are learning. This occurs primarily when the mechanism through which the material is taught makes the students think they are learning something entirely different, i.e. how to succeed in Minute to Win It style mini-games instead of learning projectile motion. We discuss how we utilized HFL to present introductory physics and mathematical principles in a newly designed course at UNC entitled Game Show Theory, which uses game show structure and optimal play as a driving motivator. In addition, we will present examples of student work and testimonials regarding how they interacted with the course (and its HFL methodology) and will show small-scale game show demonstrations which teach physics concepts with minimal cost.

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