The Effects of Humor on Cognitive Learning in a Computer-Based Environment

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Author
Whisonant, Robert Dowling

Abstract
Previous studies on humor in education have focused on the use of humor embedded in the presentation of content material. Some research, however, suggests that humor is an effective tool for increasing divergent thinking and information acquisition if the humor is given prior to the presentation of content material. This study used an experimental design to test if humor given prior to content presentation was more effective in helping students understand and remember information and enjoy the presentation than a control group treatment. Statistical tests did not support either hypothesis.

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Mobile learning environment system (MLES): The case of Android-based learning application on undergraduates' learning. International Journal of Advanced Computer Science and Applications, 3(3), 63-66. 25. The effects of video on cognitive load and social presence in multimedia-learning. Computers in Human Behavior, 24(3), 786–797. https://doi.org/10.1016/j.chb.. CrossRef. 27. Hsu, C-K., Hwang, G-J., & Chang, C-K. (2013). A personalized recommendation-based mobile learning approach to improving the reading performance of EFL students. Computers & Education, 63, 327-336. https://doi.org/10.1016/j.comp. CrossRef. Previous studies on humor in education have focused on the use of humor embedded in the presentation of content material. Some research, however, suggests that humor is an effective tool for increasing divergent thinking and information acquisition if the humor is given prior to the presentation of content material. This study used an experimental design to test if humor given prior to content presentation was more effective in helping students understand and remember information and enjoy the presentation than a control group treatment. Statistical tests did not support either hypothesis. URI in a Computer-Based Environment Robert D. Whisonant Dissertation submitted to the Faculty of the Virginia Polytechnic Institute and State University in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Curriculum and Instruction Dr. John K. Burton, Chair Dr. Glen A. Holmes Dr. Franklin M. Jones Dr. Susan G. Magliaro Dr. D. Mike Moore June 2, 1998 Blacksburg, Virginia Keywords: Humor, CBI, Instructional Technology, Comic strips, cartoons Copyright 1998, Robert D. Whisonant. i. The Effects of Humor on Cognitive Learning in a Computer-Based Environment. If humor is a cognitive process, then what effect would humor have on the cognitive processes of students, and how would humor affect their learning and understanding?