Mike Martin* (mmartin@jccc.edu), 12345 College Boulevard, JCCC Box 29, Overland Park, KS 66210. Concept Videos for Calculus: A Context that Encapsulates a Lesson.

To both pique learner's interest and provide a later reference for them, a sequence of 75 concept videos were developed for the entire calculus sequence. The theme of a given calculus topic is introduced in the context of an application or analogy and is hopefully done so in an entertaining manner. The themes and footage support include bungee jumping, a horror movie, space exploration, architecture, gardening, the zombie virus, and many, many more. Topics ranged from limits through vector calculus. The presenter helped to write, coordinate, and provide instruction for the video sequence. The videos can be used as a pre-class engagement for an instructional unit, an in-class introduction to a topic, a supplement to online instruction, or as reinforcement for material already covered. The work was distinguished in receiving the 2005 Innovation of the Year Award from the League for Innovation. Engaging students through typical entertainment avenues will be shown to be effective in learning key concepts in calculus. (Received September 19, 2006)