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Jennifer Wightman* (wightman@coastal.edu), Department of Mathematics and Statistics, Coastal Carolina University, P.O. Box 261954, Conway, SC 29528. *Using Mythbusters Episodes to Prompt Discussion in a Mathematical Modeling Course.*

This talk will relate my experiences with using episodes from the popular Discovery Channel show “Mythbusters” in a mathematical modeling course. I will discuss how I used the episode to motivate the modeling problem. Students were asked to discuss various aspects of the problem in small groups, and then we would have a class discussion. After students worked out particular parts of the model mathematically, we would return to the episode for experimental results that might or might not agree with the mathematical computations. Finally, we discussed reasons for any discrepancies along with assumptions and simplifications that were built into the model. (Received September 25, 2006)