Meeting: 1003, Atlanta, Georgia, MAA CP J1, MAA Session on Projects and Demonstrations that Enhance a Differential Equations Course

1003-J1-933 Michelle LeMasurier* (mlemasur@hamilton.edu), Hamilton College, 198 College Hill Rd., Clinton, NY 13323. Nonstandard Topics for Student Presentations.

An interesting and effective way to showcase the wide variety of fields to which differential equations can be applied is to have students give short oral presentations on a specific application. These talks, which have been presented by 30-40 students per year in our DE classes, provide exposure to a diverse array of topics that are not covered in a typical differential equations course, and include applications in biology, economics, chemistry, ecology and physics. We will discuss these presentations and provide a list of (classroom tested) presentation topics along with their references, which are from textbooks readily available in most school libraries. (Received October 01, 2004)