

Agenda for Jan 5, 2010 In-Service Activity Hamilton County Schools @ CSTCC

- 1) Introductions
- 2) Why is Engineering the “silent E” in STEM?
- 3) What the SimCenter is doing about it
 - a) Presentation on STEM Outreach
- 4) What Hamilton County Schools new Engineering Standards are doing about it
 - a) look at standards
 - b) discuss alignment with Math/Science standards, use as extension and enrichment of core curriculum
- 5) Online Euler Emulator Activity
 - a) work through tutorial and discuss engineering concepts
 - b) discuss how to use as enrichment or with Calc/Physics concepts (AP)
 - c) look at resources at <http://www2.utc.edu>
 - d) discuss contest for 11th/12th graders
- 6) Helpful sites for daily engineering emphasis, further lessons, and exploration
 - a) NASA eClips: <http://www.nasa.gov/audience/foreducators/nasaecips/index.html>
 - b) NASA Radio Interstitials: <http://www.discoverynow.us>
- 7) Wrap up, invitation to visit SimCenter/UTC, show UTC and SimCenter website for information for students to get involved