BARDSTOWN PEP
June 7, 2010

1. Example lesson
    a. Establishing the environment
        - Environment handout
    b. Analyzing games
        - Games handout
        - Chips
        - Poster paper and markers
    c. Reflection on the lesson with Boaler-Humphreys lens, pp. 101-103
        - Mathematical Practices handout
2. Cognitive levels of instructional activities
    a. First part of powerpoint, Effective Mathematics Instruction: The Role of Mathematical Tasks, up through the slide on Low Level Task / High Level Tasks
        - http://www.tcpress.com/pdfs/0807749575.ppt
        - Two Tasks handout
        - Cognitive Levels handout
    b. Remainder of powerpoint, on fate of cognitive level upon enactment. Analyze vignettes
        - Decline and Maintenance handout
        - Cognitive Vignettes handout, http://www.tcpress.com/pdfs/0807749575.pdf
        - Cognitive Levels Powerpoint Slides handout
    c. Boston-Smith lesson and activity lenses
        - Handout of Appendices A, B, and C from Boston and Smith, Transforming Secondary Mathematics Teaching: Increasing the Cognitive Demands of Instructional Tasks Used in Teachers' Classrooms, *Journal of Research in Mathematics Education*, 2009, Vol. 40, No. 2, 119-156.
        - PEP observation tool
3. Boaler-Humphreys video: The Border Problem, Part I
    a. The Border Problem, and the Border Problem Part I Transcript handouts
    b. Analyze using the Boston-Smith lenses
    c. Discussion questions
        - Border Problem I Questions Handout
4. Reflections on your own lessons, past and future
    a. Proportional reasoning
5. Proportional reasoning strand chart, including new standards