

1106-A1-1944      **William E. Fenton\*** ([wfenton@bellarmine.edu](mailto:wfenton@bellarmine.edu)), College of Arts & Sciences, Bellarmine University, 2001 Newburg Road, Louisville, KY 40205. *Mini-Chapters for College Geometry*. Preliminary report.

When I have taught College Geometry, I have often required my students to develop a “mini-chapter” on a topic of their choice. Since many of these students plan to become teachers, this assignment strives to improve their skills at learning independently and at presenting new mathematical material. Further, one goal of the course is for students to be able to use The Geometer’s Sketchpad as an exploratory tool, and this assignment gives them an opportunity to demonstrate their progress toward this goal.

Each mini-chapter is expected to include exploratory computer activities, written discussion (with a theorem and its proof), and several homework exercises. This follows the structure of the textbook for the course. This presentation will discuss the assignment and its rationale, and how it has evolved over several years. The rubric will be presented, plus examples of student projects. It will conclude with my perceptions of the successes and challenges, and some student feedback. (Received September 15, 2014)