1077-L1-2835 **Charlotte J. Chell*** (cchell@carthage.edu), Department of Mathematics, Carthage College, 2001 Alford Park Drive, Kenosha, WI 53143. *Visualizing Hyperbolic Geometry in the Liberal Arts.*

Carthage College has a program called Great Ideas, modeled generally on the well-known Great Books curriculum. The program emphasizes close reading of seminal texts of the Western tradition, and two of the requirements of a major or minor in the program are the courses Foundations of Mathematical Thought and Foundations of Scientific Thought. The majority of students who enroll in Foundations of Mathematical Thought have taken at most one college math course (if any), but are accustomed to close reading, a distinct advantage for their study of mathematics. This talk will summarize the early texts students work with, and then discuss and demonstrate the extent to which we can bend the premise of reading original texts in order to use GeoGebra and Geometer's Sketchpad custom tools that we have created for hands-on student activities in Hyperbolic Geometry. (Received September 22, 2011)