Lee Stemkoski* (stemkoski@adelphi.edu), Department of Math and Computer Science, 111 Alumnae Hall, Adelphi University, Garden City, NY 11530. Investigating Euler’s Polyhedral Formula Using Original Sources.

The works of Leonhard Euler are often particularly mathematically accessible to the reader; many of his papers contain an abundance of examples as well as a gradual progression of ideas. We will discuss how one can use Euler’s original works in a classroom setting to explore the polyhedral formula and related results. (Received September 25, 2006)