

1096-C5-2758 **Elizabeth C Rogers*** (brogers@piedmont.edu), 165 Central Ave, Demorest, GA 30535. *Artists and Their Use of Mathematics.*

Throughout history, art and mathematics have contributed to the function and beauty of civilization. Geometry and numbers were essential for achieving knowledge of the workings of the universe. Thus, they became the vehicle of philosophical thought and found expression in the great works of art. From the works of Da Vinci and Michelangelo to Picasso and Escher, mathematics is distinctly evident in art.

This presentation will focus on proportion and one to four point perspectives and how they have contributed to the beauty and impact of paintings and sculptures. Various artistic pieces from the famous to more obscure will be analyzed based on these mathematical topics. (Received September 18, 2013)