

1086-AH-2363      **Frank A. Farris\*** (ffarris@scu.edu), 500 El Camino Real, Santa Clara University, Santa Clara, CA 95053. *Can an Art Show Teach Mathematics?*

During fall quarter 2012, Carleton College presented an exhibition of my mathematical art called “Seeing Symmetry.” The show represents my best effort to communicate mathematical concepts of symmetry to the general public, and at the same time to promote the joy and wonder of mathematics. I will show representative images and explain how I think they serve to teach viewers about symmetry groups and Fourier series. The process of working with Carleton faculty and staff to develop the show, as well as watching the public view the art, increased my understanding of the question in the title. (Received September 25, 2012)