

1067-F1-1903      **Silva Chang\*** ([silva.chang@colorado.edu](mailto:silva.chang@colorado.edu)), Department of Applied Mathematics, 526 UCB, University of Colorado at Boulder, Boulder, CO 80309-0526, and **Anne M Dougherty**. *Sophie Math: a Math Circle Program for Girls*.

Two years ago the Colorado Math Circle created a new program called Sophie Math—named after the mathematician Sophie Germain—to increase the participation of girls in math circle activities. We designed a curriculum for a weeklong summer workshop for middle school girls that emphasized hands-on activities and collaborative problem solving. In summer 2009 the first Sophie Math workshop attracted dozens of young girls from around the state who had never participated in extracurricular math before. In summer 2010 the workshop was offered again, along with a Sophie Mathematica programming workshop for high school girls. As a result of these summer programs, the number of female students now attending regular math circle meetings has increased significantly. We will discuss the setup of the Sophie Math workshops, describe the curriculum, and provide samples of workshop activities. (Received September 22, 2010)