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Brian J Lindaman* (lindaman@math.montana.edu) and **LeAnne Yenny** (leanne.yenny@gmail.com). *Math 2 Excite: Creating Interest, Confidence and Awareness about Mathematics among Young Women.*

This talk will describe a successful program designed to foster interest in math among middle school girls. Currently in its second year of funding through the MAA Tensor Foundation, the program has been shown to improve confidence in mathematical thinking and nurture a love for mathematics in the real world. There are two components to the project: a 5-day summer day-camp and an individual project. The camp consists of activities corresponding to three themes: Math in the Arts, Math in the Outdoors, and Math in Our Lives. During the summer camp, girls explore authentic mathematical applications in the world and are exposed to the use of math in various careers (such as wildlife biology and astrobiology). For the individual project phase, each participant chooses a topic, collects research, writes a report, and delivers a poster presentation. The girls are mentored throughout the project phase by strong female role models: female undergraduate and graduate math students, as well as university math faculty. During this session we will discuss aspects of the program; share copies of the recruitment materials, surveys, and math camp lessons; and present a slideshow of the girls' poster projects and camp activities. (Received September 25, 2012)