

1135-VD-3023 **Katrina Morgan*** (katri@live.unc.edu) and **Francesca Bernardi**. *Engaging Girls Through Math Media: Using Technology to Increase Engagement, Teach Scientific Communication, and Maximize Impact in a High School Outreach Program*. Preliminary report.

Students today are part of an active internet culture where blogs and podcasts are popular media outlets. With this in mind, the program design of Girls Talk Math (a free summer day camp for high schoolers who identify as girls interested in math held at the University of North Carolina at Chapel Hill) incorporates media projects in which campers write blog posts and record podcasts. During camp, participants break into 8 groups of 4-5 campers. Each group completes a lengthy problem set, researches the life and work of a female mathematician, writes a blog post about the problems they solved, and records a podcast about the mathematician they researched. The incorporation of blogs and podcasts serves multiple goals:

- Increasing confidence by providing a chance for participants to make their voices heard and publishing their work online
- Engaging students by incorporating media that is relevant to their lives
- Developing scientific communication skills by having campers summarize what they learned in a forum available to a broad audience
- Maximizing program impact by increasing the number of people who are able to learn about the rich history of women in mathematics.

Analysis of pre- and post- survey data will be presented. (Received September 26, 2017)