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Girls in STEM



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The Benefits

Students in the treatment group will:

- Participate in well over 100 hours of time with LANL scientists and support personnel
- Receive materials important to completing science labs such as lab notebooks, lab coats, and lab glasses
- Forge relationships with LANL and Ghost Ranch personnel
- Learn about internship opportunities at the Lab during high school and college

The Research

Hypotheses

Girls in the treatment group will:

- Show improved attitudes towards STEM coursework
- Be more likely to enroll in honors and AP STEM classes
- Be more likely to select a STEM major at the post secondary level
- Be more likely to select STEM related employment

Set Up: Variables from girls in the treatment group will be compared to the same variables in a non-LANL serviced control group

The Goal

The goal of Girls in STEM is to improve girls' attitudes towards STEM classes and to increase the likelihood that they will pursue STEM



coursework in both secondary and university studies thus leading to a greater female presence in STEM careers.

The Program

Mentor Mondays

Students chat with scientists about general STEM career issues

Ask A Scientist Wednesday

Students ask questions about STEM related concepts



Science Fridays

Lab scientists and support personnel conduct demonstrations at the school site or at The Bradbury Science Museum.

The Enrichment

Camp

Girls in the treatment group will spend a week at Ghost Ranch where scientists and support personnel will conduct STEM related workshops in a conference format.

UNM Visit

All students in the treatment group will travel to the STEM Program at UNM to receive a tour and network with university personnel.

Social Events

Students will meet with their mentor group at LANL face to face to solidify their mentor/mentee relationships.