

Educational Outreach at the Magnet Lab

National High Magnetic Field Laboratory

Center for Integrating Research & Learning, Florida State University

MagLab outreach included school visits, community experiences, and lab tours and activities for ~8000 K12 students. Teacher workshops were provided for over 100 teachers and partnerships were established to provide quality professional development for rural underserved counties.

REU 2008 provided summer research placements for 19 students who worked with 17 mentors from FSU, UF, and LANL. **RET Summer 2008** hosted 17 teachers working with 12 mentors.

SciGirls camps provided interdisciplinary activities for 34 middle and high school girls interested in careers in science.



Students Alicia Calero, Guillermo Vargas, and Pedro Vargas conducted research as part of the REU program.



Teachers are fully immersed in Magnet Lab culture.



SciGirls explore the nature of scientific research.

Education Research and Diversity

National High Magnetic Field Laboratory

Center for Integrating Research & Learning, Florida State University



Magnet Lab researchers engage young scientists in the processes of science.

The NHMFL's Center for Integrating Research & Learning established and maintained partnerships to expand work with Title I and other underserved schools. "First Thursdays" was established to take hands-on inquiry activities to elementary teachers. *Comet Tales* outreach continued by targeting 15 underserved classrooms, and a middle school research class (patterned after Magnet Lab research) presented their work to lab scientists.

Research Agenda

- **Girls in Science**
- **2 RET studies concluded**
- ***"RET: Motivation, expectations and changes to teaching practices"* submitted for publication.**



"First Thursdays" teachers Melissa Olson and Marcy Grauer investigate oxygen and carbon dioxide levels.