



Materials Camp



July 18-20, 2011
9:30am to 5pm Daily

Application Deadline June 13, 2011

Goal

Open the world of materials engineering and nanotechnology to enthusiastic high school students. Participating students will have the opportunity to gain hands on experience with the high-tech tools researcher's use today to create the materials of tomorrow.

The Students Will...

- STUDY the latest materials using advanced microscopes
- LEARN how to change the behavior of materials used in structural and engineered systems by controlled heating with high temperature furnaces, and cooling with liquid nitrogen
- MELT and manufacture materials using lasers, plasmas, and furnaces
- UNDERSTAND how and why materials fail through destructive testing
- FOLLOW the transformation of the first computer to the ultra small laptops of today
- GENERATE power with renewable resources by exploiting unique material properties

Location

The University of North Texas College of Engineering at Discovery Park

Fees

FREE for students! All meals and snacks will be provided. Students will also receive a camp T-shirt and keepsake to remember their experience.

Eligibility

Students graduating high school in spring of 2012 or 2013 are eligible.

Contact Information

For application information: Kaitlin Britt (Kaitlin.Britt@unt.edu)
For program information: Kris Mahdak (MaterialsAdvantage@unt.edu)
Apply for this camp at: http://www.mtse.unt.edu/forms/materialscamp_app.html