

PROJECT SMART

Science and Mathematics Achievement through Research Training
University of New Hampshire: Summer Program for Talented High School Students



Marine & Environmental Science

- ◆ Exploring aquatic systems from White Mountains to Great Bay to the Isles of Shoals
- ◆ Observing behavior of marine life
- ◆ Analyzing lake water quality
- ◆ Toxic algal blooms
- ◆ Impact of global climate change on the aquatic & Forest food web
- ◆ Using GPS and Satellite Imagery to assess forest health
- ◆ Investigating altitudinal effects on forests, streams and lakes
- ◆ The causes of climate change and its impact on major ecosystems of New England

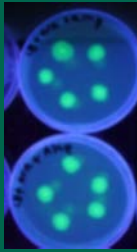
June 26 to July 22, 2016

Scholarships Available

Rolling admissions
Starts in January

Biotechnology and Nanotechnology

- ❖ Genes, genetics and genetic engineering
- ❖ Cloning, in vitro fertilization and surrogate motherhood
- ❖ Human genome, genetic screening, and gene therapy
- ❖ Genetically Modified Organisms (GMOs)
- ❖ Stem cell research and its implications
- ❖ Patenting and ownership of life forms and genomes
- ❖ Nano-templates
- ❖ Microscopy of nano-structures,
- ❖ Applications of nanotechnology,
- ❖ "Nano-fear"
- ❖ Opportunities and challenges of nanotechnology



What is Project SMART?

- § Summer Program that will challenge, educate, and motivate you in science and math
- § Expose you to advanced topics in science through discussions, lectures, and field trips
- § Train you in the process of research
- § Boost your interest and aptitude for science
- § Lead to life-long friendships and networking with faculty and other students
- § A wonderful summer experience in the rural environment of NH



Space Science

- Study of high energy particles following a solar flare
- Ion acceleration at interplanetary disturbances
- The Earth's bow shock Cosmic rays Astrophysics
- The outermost terrestrial boundary The magnetosphere
- Fly your balloon into outer space

For information contact:

Prof. Subhash Minocha; Director, Project SMART
Department of Biological Sciences
University of New Hampshire
Durham, NH 03824 Tel: (603) 862-3205/3266
sminocho@unh.edu OR Cathy.leach@unh.edu

Visit: www.smart.unh.edu

