

Cornell Science Sampler Series--Registration Form

March 10, 2007 Workshop: *Physics and Physical Science Teachers*

Name: _____

Home Address: _____

City: _____ State: _____ Zip Code: _____

Home Phone: () _____ Work Phone: () _____ Email: _____

Completion of the enclosed information is voluntary. This information is used by the National Science Foundation (NSF) to determine how well the program serves all segments of the diverse population; it does not affect your application.

Gender: Male Female Individual with Disabilities? Yes No

Race/Ethnicity: African American Asian/Pacific Islander Caucasian
(check all that apply) Latino/Hispanic Native American Other (specify): _____

School/Institution: _____

School/Institution Address: _____

City: _____ State: _____ Zip Code: _____

Current Position/Title: _____

Area of Certification: _____

Courses Taught:	Name of Course	Grade Level
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2006-2007	_____	_____
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2005-2006	_____	_____
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How did you hear about this program? (check all that apply) Colleague NSTA publication

Web site STANYS

Other (please specify): _____

(OVER PLEASE)

Please return this completed form by February 23, 2007 to:

Jane Earle, Cornell Center for Materials Research

267 Clark Hall, Ithaca, NY 14853

Tel: (607) 255-9547 Fax: (607) 255-3957

E-mail: outreach@ccmr.cornell.edu

<http://www.ccmr.cornell.edu/>



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March 10, 2007 Workshop: *Physics and Physical Science Teachers*

Please mark each morning workshop with either a 1, 2 or 3. "1" being the workshop you would most like to attend. Do the same (1, 2 and 3) for the afternoon workshops. We will do our best to place you in your preferred workshops.

Morning	Afternoon
<p>_____ Friction</p> <p><i>(For middle school teachers)</i> Participants will experiment with various materials in order to learn more about the important role friction plays in science, engineering and everyday life.</p>	<p>_____ Cloud Chambers</p> <p><i>(For middle and high school teachers)</i> Learn about how we study the microscopic components of the universe and build your own small detector to collect evidence of these particles for yourself.</p>
<p>_____ Spectroscopy</p> <p><i>(For high school teachers)</i> Participants will build and use spectrometers to observe how wavelengths of light are separated into a spectrum of brightly colored bands.</p>	<p>_____ Buoyancy</p> <p><i>(For middle school teachers)</i> Build and test Cartesian divers to learn about the effects of water pressure on buoyancy. Then, experiment with helium balloons as you learn about buoyancy in air.</p>
<p>_____ Light Emitting Diodes</p> <p><i>(For high school teachers)</i> Students use super-bright LEDs to explore conversion of electrical energy into light and vice versa; then they use the LEDs to estimate Planck's constant.</p>	<p>_____ Paper Circuits</p> <p><i>(For middle and high school teachers)</i> Students construct simple circuits using inexpensive household items on a piece of notebook paper.</p>

All applications must be accompanied by a check for \$20.00 made out to:

Cornell University

Upon completion of the program all participants will receive a stipend of \$50.00 along with the materials associated with the workshops they have chosen.

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