

# Cornell Cooperative Extension

## Nassau County

### ◆ GENERAL ASSOCIATION INFO ◆

/// FAMILY & CONSUMER  
/// EDUCATION

#### Food, Nutrition, Health

- Classes for limited income parents/adults
- School programs
- Programs for parent groups, libraries and community organizations



#### Parent Education

- Effective parenting workshops
- Talking with Kids about HIV/AIDS

#### 4-H Youth Development

- 4-H summer sleep away camp
- 4-H camp use during school year
- School presentations
- 4-H Adventure for after-school and other youth programs
- After-school and summer 4-H community programs



/// ENVIRONMENTAL HORTICULTURE-  
/// INTEGRATED PEST MANAGEMENT

#### Home Gardening & Landscape

- Plants and lawn care
- Outdoor insects
- Reduced pesticide use
- Effective watering techniques

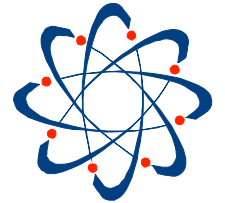


#### Professional Horticulture Program

- Environmentally safe pest controls
- Water conservation
- Pesticide reduction practices

◆ PLEASE SHARE THIS INFORMATION! ◆

# MATHEMATICS, SCIENCE AND TECHNOLOGY



CLASSROOM PRESENTATIONS  
AND RESOURCES ◆

FOR NASSAU COUNTY  
EDUCATORS AND STUDENTS  
GRADES 3-6

2008-2009

G1



Cornell University  
Cooperative Extension  
Nassau County

40 Main Street, Lower Level  
Hempstead, NY 11550

*Cornell Cooperative Extension provides equal program and employment opportunities*

## DEAR EDUCATOR,

Cornell Cooperative Extension of Nassau County is pleased to present our offerings of MST classroom presentations and helpful Web sites for grades 3-6. We are confident that our educational resources will assist Nassau teachers in meeting the NYS Learning Standards.

We hope that you will take the opportunity to schedule the presentations described below, which are specifically designed to support simple machines and electricity units of study. We also suggest that you use the provided Web sites in developing lesson plans and student activities in other MST-related content areas.

I invite you to visit our Web site ([www.cce.cornell.edu/nassau](http://www.cce.cornell.edu/nassau)) to learn more about our programs and services for Nassau County residents. Become a "CCE Email Friend" by providing your email address to receive timely updates. **Cornell Cooperative Extension of Nassau County programs depend on partnership financial support. Funding from Nassau County is the basis for receiving additional funds from New York State and the US Department of Agriculture.**

I look forward to your school's participation in our programs.

Sincerely,

Wayne Torgersen, Extension Educator

## Available MST Classroom Presentations for Grades 3-6

(SUPPORTING MATHEMATICS, SCIENCE AND TECHNOLOGY STANDARDS #1, 4, 6)

### Let's "Look" At Electricity



Electricity - that invisible form of energy that gives us light, does household chores, informs and entertains - how does it do its work? Using clear tubes, ping-pong balls, air pressure, and other graphic materials, students will learn the FUNdamental principles by which all these tasks are performed.

They will become participants in the presentation, manipulating a functioning, colorful three-dimensional model that will help them "see" how cells, electrons, conductors, insulators, and loads interact as key circuit elements.

### Machines Are Simply Terrific



We live in a world full of complex mechanical devices. How they work can be demonstrated by exploring combinations of simple machines - inclined planes, wedges, screws, levers, wheels and axles and pulleys.

All these enable more intricate mechanisms to perform unique functions. Students are introduced to simple machines, their applications and concepts of energy, work, force, and motion.

## IMPORTANT INFORMATION



- Presentations are 60 minutes.
- The fee for either classroom presentation is \$110 per presentation. A minimum fee of \$220 per school visit for two consecutive presentations (same topic) is required. **Fees effective through June 2009.**
- To schedule a presentation, call Wayne Torgersen at 516-292-7990 ext. 25. A message may be left at any time. Teachers are asked to leave both school and home phone numbers to ensure a timely response.

## WEB SITES FOR TEACHERS



- National 4-H Cooperative Curriculum System lists all the National 4-H educational resources that can be ordered directly through the web site. <http://www.n4hccs.org>
- NY Agriculture in the Classroom contains lesson plans and resources that foster awareness, understanding and appreciation of the total food and fiber system. <http://www.cerp.cornell.edu/aitc>
- Cornell Waste Management Institute offers content and lesson plans related to composting, recycling and waste management for K-12 classroom use. <http://cwmi.css.cornell.edu/Youth.html>
- Cornell Lab of Ornithology provides teacher resources for the study and conservation of birds. <http://www.birds.cornell.edu>
- Cornell College of Human Ecology Fiber Science contains a variety of student-focused resources that offer experiences in fiber science as well as other disciplines including aerospace, chemistry, plants, animals, engineering, and the environment. <http://www.human.cornell.edu/che/fsad/outreach/programs/youth-programs/index.cfm>
- NYS 4-H Resource Directory lists a wide variety of content resources for teachers and other youth educators. <http://www.cerp.cornell.edu/4h>