

# Fun with Chemistry Camps

Summer 2009

The **Institute for Chemical Education** invites students who are currently in grades 5, 6, 7 and 8 (ages 10-13) to visit the University of Wisconsin-Madison this summer to explore the exciting world of chemistry. Each ICE chemistry camp session runs from 1:15-4:30 PM Monday-Friday for one week.



Four different camp themes will be offered this summer:

Fun with Chemistry	7/6-7/10
Fun with Food Science	7/13-7/17
Fun with Forensic Science	7/20-7/24
The Science Behind the Superhero	7/27-7/31

**You may sign up for one or more themed camp.**

At **Fun with Chemistry** camp, each day begins with exciting chemistry demonstrations during the general assembly, followed by two hours of laboratory experiments, and a period of group discussion. The daily topics include: the elements; acids and bases; ions and chromatography; metals and alloys; and crystals and polymers.

**Fun with Food Science** camp explores the scientific principles behind food and cooking. Students will learn various chemical analyses for nutritional content, how chemical structure contributes to the properties of food, and how foods get their flavors. Other topics include how baked goods rise, and how butter is made.

In the popular **Fun with Forensic Science** camp, participants will gather evidence, learn forensic science techniques, and employ the scientific method to solve mysteries and crimes each day. Guest speakers from forensic science related careers enhance the program's connection to real-life science.

**The Science Behind the Superhero** camp will touch on scientific themes related to popular superheroes. A few of the scientific topics to be investigated: How does radiation cause genetic mutations that give the Fantastic 4 their superpowers? What materials are used to make Elastigirl's uniform so flexible or Batman's gadgets bullet-proof? What does it really mean to have "x-ray vision?" How does Spiderman climb walls?

A staff of well-trained undergraduate students supervises campers in small groups. These group leaders emphasize laboratory safety while communicating fundamental concepts in chemistry. **The registration fee for a one-week session of any camp is \$130.** A few scholarships are available to those who document the need. For more information, contact us at 608-262-3033 or [ice@chem.wisc.edu](mailto:ice@chem.wisc.edu).

(Please Print)

## Fun with Chemistry Camp

Student \_\_\_\_\_ Age \_\_\_\_\_

Male \_\_\_\_\_ Female \_\_\_\_\_ Grade ('08-'09 school year) \_\_\_\_\_

School \_\_\_\_\_

Parent or Guardian \_\_\_\_\_

Address \_\_\_\_\_

Daytime Telephone No. \_\_\_\_\_

Are you applying for a scholarship?  yes  no

Check which camps you want to attend:

\_\_\_\_\_ Session #1, Chemistry (July 6-10)

\_\_\_\_\_ Session #2, Food Science (July 13-17)

\_\_\_\_\_ Session #3, Forensic (July 20-24)

\_\_\_\_\_ Session #4, Superhero (July 27-31)

I give my child, \_\_\_\_\_  
permission to enroll in ICE's summer camp.

\_\_\_\_\_  
(Signature of parent or guardian)

**Please send no money now.** We will contact you to send a check in late May.

This form will reserve a spot for your child.

**Return this form to:**

Institute for Chemical Education

1101 University Ave.

Madison, WI 53706