

Fun with Chemistry Camps

Summer 2008

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	7/7-7/11
The Science Behind the Superhero	7/14-7/18
Fun with Chemistry Inventions	7/21-7/25
Fun with Forensic Science	7/28-8/1

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 then a period of group discussion. The daily topics include: the elements; acids and bases; ions and chromatography; metals and alloys, and; crystals and polymers.

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?

Fun with Chemistry Inventions camp connects basic chemistry concepts to familiar inventions. Daily themes include heat and temperature, batteries, and nanotechnology. During the last two days of camp, groups design their own inventions and give a sales pitch to the rest of the camp population.

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.

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 608-262-1511 or ice@chem.wisc.edu.

(Please Print)

Fun with Chemistry Camp

Student _____ Age _____

Male _____ Female _____ Grade (07-'08 school year) _____

School _____

Parent or Guardian _____

Address _____

Daytime Telephone No. _____

Attended camp in past? yes no Which yr? _____

Check which camps you want to attend:

_____ Session #1, Chemistry (July 7-11)

_____ Session #2, Superhero (July 14-18)

_____ Session #3, Inventions (July 21-25)

_____ Session #4, Forensic (July 28-Aug. 1)

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