



The Center for Science and Mathematics Education will again offer summer enrichment courses for 5th and 6th graders on the NDSU Campus. These courses are appropriate for any student who has an interest in exploring science and math topics.

Mathematical Explorations

Students will explore mathematics through hands-on activities such as:
Straw constructions of platonic solids (geometry)
Breaking secret codes (cryptology)
Networks and moebius strips (topology)
Number puzzles such as magic squares and card tricks (number theory)



The Chemistry Connection

Chemistry is everywhere! In this class students will explore the nature of matter by learning more about chemical interactions. They will conduct experiments, observe demonstrations and have a lot of fun while learning more about chemistry.

The Whyology of Biology

Come and explore the "whys" of Biology! We'll examine questions such as why there are so many worms all over the ground after it rains and why your parents are always nagging you to wash your hands before dinner. We'll investigate several topics such as bacteria, the human body, and even bugs while we discover some interesting whys of biology. By the way, do you know "why" you sweat about 4 cups of fluid a day?



Engineering Adventures

Students will learn about engineering and how to apply mathematics and science to solve real-world problems. Students will explore technology related to the field of engineering, and use it creatively to develop their own ideas.

Students may enroll in one of the above four options per session.

Session 1: June 16-19, 2008

Session 2: June 23 - 26, 2006

Classes are Monday through Thursday from 9:00 to Noon Cost: \$50.00 per session - limited enrollment, register soon. Registration information is available at:

<http://www.ndsu.nodak.edu/csme/announcements.php> or by contacting Ruth Ann Faulkner, 701 231-6357, RuthAnn.Faulkner@ndsu.edu.

Questions? Please contact: Kim McVicar, 701 231-7336, kim.mcvicar@ndsu.edu

Sponsored by NDSU Center for Science and Math Education

Note: These courses are not accelerated courses. They are designed to stimulate interest in science and math through exploration of topics not usually covered in their regular school classes.



North Dakota State University
**Center for Science
 & Mathematics Education**

STEM ENRICHMENT REGISTRATION FORM SUMMER, 2008

Student Name: _____ Age: _____

School: _____ Grade (completed) _____

Parent/Guardian Name:

E-Mail Address (we will use email contact for follow up information): _____

Home Address: _____

City: _____ Zip: _____

Phone Number(H): _____ Phone Number(C): _____

Emergency Contact Information:

I WISH TO REGISTER FOR: (Select up to one class per session)

Session 1: (June 16-19; 9-Noon)	Session 2: (June 23-26; 9-Noon)
<input type="checkbox"/> Mathematical Explorations \$50.00	<input type="checkbox"/> Mathematical Explorations \$50.00
<input type="checkbox"/> The Chemistry Connection \$50.00	<input type="checkbox"/> The Chemistry Connection \$50.00
<input type="checkbox"/> The Whyology of Biology \$50.00	<input type="checkbox"/> The Whyology of Biology \$50.00
<input type="checkbox"/> Engineering Adventures \$50.00	<input type="checkbox"/> Engineering Adventures \$50.00

TOTAL PAYMENT ENCLOSED: \$ _____

PLEASE RETURN THIS FORM AND PAYMENT TO:

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