is a biochemist who also has extensive experience doing elementary outreach programs in chemistry with local elementary and high schools. Camp Chemistry is part of their efforts to enhance elementary science education in the region.

University

Shippensburg University is a co-educational multipurpose university in south central Pennsylvania. It is located 45 miles west of Harrisburg and 30 miles north of Gettysburg. Founded in 1871, Shippensburg University is a member of the Pennsylvania State System of Higher Education. It is a comprehensive, regional university offering both graduate and undergraduate programs in three colleges: Arts and Sciences, Business, and Education and Human Services.

Camp Chemistry I & II

July 6 to 10, 2015

Directors:
Dr. Robin McCann and Dr. Tom Frielle

Boys and Girls
Ages 8 to 10
Completed Camp Chemistry I

REGISTER NOW by calling (717) 477-1256
or visit our website at
www.ship.edu/camps
or e-mail your request to
sucamps@ship.edu.

Camp Arrival

8:30 - 9:00 AM on Monday, July 6th in the parking lot of FSC

Daily Schedule

8:45 AM Arrive at FSC and check in with Dr. Frielle and Dr. McCann
9 - 11:30 AM Laboratory work
11:30 AM Lunch
12 NOON - 1 PM Recreational time
1 - 3 PM Laboratory work
3:00 PM Pick up by parent or guardian

Swimming Camp Boys & Girls Ages 10 - 17 June 7 - 10
Boys Basketball Camp Boys Ages 10 - 17 June 21 - 24
Girls Softball Camp I Girls Ages 10 - 17 June 21 - 25
STEM: An Environmental Mystery Boys & Girls Ages 12 - 15 June 22 - 26
Girls Basketball Camp Girls Ages 10 - 15 June 28 - July 1
Chemistry Camp I & II Boys & Girls Ages 8 - 10 July 6 - 10
Girls Volleyball Camp I Girls Ages 12 - 18 July 12 - 15
Girls Softball Camp II Girls Ages 10 - 17 July 12 - 16
Sprints & Hurdles Camp Boys & Girls Grades 9 - 12 July 19 - 22
Cross Country Camp Boys & Girls Grades 9 - 12 July 19 - 23
Lacrosse Camp Girls Grades 6 - 12 July 20 - 23
Jumps Camp Boys & Girls Grades 9 - 12 July 26 - 29
Throws Camp Boys & Girls Grades 9 - 12 July 26 - 29
Tennis Day Camp Boys & Girls Grades 3 - 8 July 27 - 30
Tennis Camp Boys & Girls Grades 9 - 12 July 27 - 30
Girls Volleyball Camp II Girls Ages 12 - 18 July 26 - 29
Field Hockey Camp Girls Grades 9 - 12 July 26 - 30
Registration Application
2015 SU Camp Chemistry

For your convenience, the Conference Office offers on-line registration, payment, and printable brochures. Check out our website at www.ship.edu/camps.

Name ________________________________
Address ________________________________
City ___________________ Zip Code ______________
State ____________________________   Zip Code __________________
Phone number (______)_________________________________________
Age ____________
Grade in fall of 2015 _________________________
Parent’s name _________________________________________________
School attending ______________________________________________

T-shirt size: (Youth)  □  Large  □  Small
(Men’s)  □  Medium  □  Large  □  Extra Large

Send your application and payment to:
Conference Services
Shippensburg University
1871 Old Main Drive
Shippensburg, PA 17257-2299
Phone: (717) 477-1256

Application Information
Applications will be accepted up to one week prior to the start of camp. Applications submitted after that day will not be accepted. If paying with a credit card, full payment is required. If paying by check or money order, you have the option of paying the entire amount or submitting at least a $75 deposit with the balance due one week prior to start of camp. An administrative fee of $75 will be deducted from all refunds. No refunds will be given after on-campus check-in. The Conference Office reserves the right to cancel any camp which has insufficient enrollment up to two weeks before the opening of camp. A full refund will be given if the camp is cancelled.

Things to bring to camp:
• Sneakers (closed toed, rubber soles).
• Appropriate clothing for laboratory work:
  * No bare midriff or sleeveless shirts.
  * Long hair must be tied back.
  * No hats may be worn in the laboratory.
• Suntan lotion
• Swim suit and towel on Monday/Wednesday/Friday

Introduction
The SU Camp Chemistry is a day camp designed to give elementary students ages 8-10 years old the opportunity to perform a variety of chemistry experiments designed to teach basic chemical principles and to connect chemistry to the students’ everyday experiences. We will spend the majority of our time in actual laboratories so students can truly experience what it is like to be a chemist. There will be two levels of camp offered: Camp Chemistry I, an introduction to the lab and chemistry; and Camp Chemistry II for children who already completed one year of Camp Chemistry at Shippensburg University who will participate in more challenging lab work.

Content
Camp Chemistry will simultaneously emphasize the fundamental concepts of chemistry (atoms, molecules, chemical reactions, thermodynamics, the Periodic Table, mixtures, etc.) and how those concepts are used to explain phenomena that students’ experience on a regular basis. Possible topics include nutritional chemistry, kitchen chemistry, and environmental chemistry (soil and water). We will emphasize safe and proper laboratory experimentation and interpretation of results as the primary method of instruction.

A typical day at Chem Camp will include 4 hands-on science experiments including fun things like blowing up gummy bears, separating the colors in an M&M, isolating DNA from a cow liver, and making water glow in the dark. We will have a visiting field biologist talk with us about his research (and even bring along some animal friends!). One of our local physicist will demonstrate the laws of physics with fun demonstrations. There is never a boring moment at Chem Camp.

Qualifications
Participants need no prior experience with chemistry to join this camp. Applicants must be ages 8-10 years to qualify for Camp Chemistry I. Campers who wish to attend Camp Chemistry II must have attended Camp Chemistry I in a previous year. You must also be able to provide your own transportation to and from Franklin Science Center (FSC) at Shippensburg University.

About the Directors
Dr. Tom Frielle and Dr. Robin McCann are both chemistry professors at Shippensburg University. Dr. Frielle is a biochemist and a former high school chemistry and biology teacher who has written elementary and middle school science curricula. Dr. McCann

General Camp Information
Register early: Space is limited to facilitate individual attention. A certificate of health must be presented by each participant at the camp’s registration. A standard form will be sent upon acceptance. This form does not require a physician’s examination or signature.

Health Services: The Etter Health Center is staffed and equipped to take care of minor illnesses and injuries that may arise during your stay on campus. For some emergencies, the staff may send you directly to a local hospital.

Disability Services: Requests for accommodations, auxiliary aids, or services must be made in writing to the Office of Disability Services at least fifteen (15) days before the camp begins. The Office of Disability Services is located in Horton Hall 120, Shippensburg University, 1871 Old Main Drive, Shippensburg, PA 17257-2299, (717) 477-1329, ods@ship.edu.

Recreational facilities include: indoor swimming, indoor and outdoor basketball courts (if available), outdoor volleyball courts, tennis courts, and handball courts.

Allergies (e.g., latex, food, etc.)

Please specify which camp:
□ Camp Chemistry I
□ Camp Chemistry II (must have attended Camp Chemistry I)
Year Completed Camp Chemistry I ________________________

Fees: $210 (includes T-shirt and lunch)

Payment Plan:
□ Check or money order enclosed (Please make check payable to “Shippensburg University”)
□ Credit card payments and e-checks will be accepted on-line at www.ship.edu/camps as part of the registration process. If paying by credit card or e-check, full payment is required at the time of registration.

Special accommodations or medical conditions:

* No hats may be worn in the laboratory.
* No bare midriff or sleeveless shirts.
* Long hair must be tied back.
* Suntan lotion
* Swim suit and towel on Monday/Wednesday/Friday

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