

# Radford University Science Exploration Day 2012



Join Radford University professors and students for a day of science exploration in RU's laboratories and classrooms.

Participants will choose one of the following classes to explore: Electronics, Indian Lore, Personal Management, Computers, Chemistry, and Communications. Classes are based on the Boy Scout merit badge curriculum.

<b>Time:</b>	7:30 – 8:30 a.m.	Check -in
	8:30 a.m.	Welcome
	9 a.m. – 3 p.m.	Classes
	3 – 4 p.m.	Science Tours, Presentations

**For students in the 5th through 11th grades.**

**Computers:** Students in the Computers class will have the opportunity to learn about and discuss online safety, the impact of computers on society, impact of computers on the family, the parts of the computer, file types and uses, interrelationship between hardware and software, programming languages, and the Internet and the World Wide Web. Students will also visit and learn about a working computing facility, explore the use of a programming language, discuss careers in the computing field, and learn about the ethical considerations surrounding the use of computers. Instructor: Dr. Joe Chase

**Personal Management:** Learn the basics of budgeting, credit, investments, and savings in a fast-paced, active learning environment. This workshop is designed to introduce requirements for the Boy Scout Personal Management Merit Badge. While moderate progress will be made on badge and project requirements, final completion of each will be accomplished by participants on their own with guidance from their troop leaders. Instructors: Dr. Melissa Chase, Dr. Laura Jacobsen

**Chemistry:** Gain hands-on experience in the world of chemistry. Participate in chemical experiments, demonstrations and laboratory activities that illuminate the importance of chemistry in our world. Instructor: Dr. Joe Wirgau and the Chemistry Club

**Indian Lore:** Take a journey into the lives of some of America's most fascinating people. This class explores the true lives including the cultures, languages and religions of Native Americans. Instructors: Dr. Cassady Yoder and Anthropological Sciences Club

**Electronics:** Electronics is the branch of science and technology which makes use of the controlled motion of electrons through different media so that some type of useful function is performed. During this class, you will explore the building blocks of electronics through hands-on activities and experiments. Instructor: Dr. Rhett Herman and the Physics Club

**Communication:** Communication focuses on how people use messages to generate meanings within and across various contexts, cultures, channels, and media. The field of communication promotes the effective and ethical practice of human communication. Students will learn about different ways people communicate with each other, methods of effective communication, and how communication methods can change depending upon the goal of the communicator. Instructor: Ann Brown

## February 18, 2012

Registration Deadline is Feb. 3, 2012

*Sponsored by the RU CSAT STEM Club*

### To Register:

Go to [www.radford.edu/csatsat](http://www.radford.edu/csatsat) and click on the Register for Science Exploration Day link on the right hand side of the web page under the events calendar. Download and print the registration form see reverse side of this sheet. **Fee is \$4 per student.** If writing a check, make it out to RU CSAT STEM Club. Return payment and completed form to:

Attention: Ann Brown  
RU Science Exploration Day 2012  
RU College of Science and Technology  
PO Box 6936  
Radford University  
Radford, VA 24142

Or deliver form and payment to Ann Brown in the CSAT Dean's Office at 127 Davis Hall, Radford University.

Registration is limited. Registration will not be confirmed until the receipt of completed registration form and payment is made.

**Registration deadline is February 3, 2012.**

*Questions: Contact Ann Brown, RU College of Science and Technology, at (540) 831-6277 or [abrown238@radford.edu](mailto:abrown238@radford.edu).*

**RU**  
**RADFORD**  
**UNIVERSITY**

RU Science Exploration Day 2012  
February 18, 2012  
Sponsored by the **RU CSAT STEM Club**  
Registration Form  
**Registration Deadline: Feb. 3, 2012**



Participant Name (Child): \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State, and Zip Code:  
\_\_\_\_\_

E-mail Address for registration confirmation notification:  
\_\_\_\_\_

Special Needs:  
\_\_\_\_\_

Are there any allergies or health issues that the instructor should be made aware of?

If so, please explain: \_\_\_\_\_

Parent/Guardian Name(s):  
\_\_\_\_\_

Parent/Guardian phone number: \_\_\_\_\_

Emergency contact that will be available on short notice during Feb. 18, 2012 in case of emergency: \_\_\_\_\_

Best way to contact emergency contact person: \_\_\_\_\_

Will the emergency contact person stay on campus February 18, 2012 (recommended)? \_\_\_\_\_

Participant's class choice for the day (please designate preference by numbering 1st, 2nd, 3rd choice):

Computers \_\_\_\_\_ Indian Lore \_\_\_\_\_ Chemistry \_\_\_\_\_  
Electronics \_\_\_\_\_ Personal Management \_\_\_\_\_ Communication \_\_\_\_\_

**Model Release Agreement (for use of image outside of Radford University)**

I hereby agree that the images taken of my child may be used by Radford University for promotion of Radford University and programs within the University. I further understand that the University shall own all rights to these images. These rights shall include economic and property rights as well as the right to copy-right these materials

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Parent/Guardian Signature

Date

Fee is \$4 per student. A completed registration form and payment for each participant must be received before registration is confirmed. Please send form and payment to: Attn: Ann Brown, College of Science and Technology, PO Box 6936, Radford, VA 24142 or deliver payment and registration forms to CSAT Dean's Office at 127 Davis Hall, RU Campus. Questions: contact Ann Brown at [abrown238@radford.edu](mailto:abrown238@radford.edu). Classes are assigned on first come, first served basis.