

Vermont DOE Science Newsletter

TABLE OF CONTENTS**Current News**

1. **NECAP Science Release Materials**
2. ***Emerging Science* Video Contest**
3. **Vermont Science Initiative is Right for You!!**
4. **VSTA Membership**

Vermont Doings

5. **ECHO Aquarium—Teachers' Choice Programs**
6. **Vermont Sites to Visit**

STEM Information

7. **Grades K-6: CEE Children's Engineering Educators, LLC**
8. **Grades 6-8 Christopher Columbus Awards for Middle School Science**
9. **Grades 6-9: Cybermission—Accept the Challenge**
10. **Grades K-12: National Engineers Week Foundation Online**
11. **Grades 7-12: Signals of Spring with NOAA Remote Sensing**
12. **Grades K-12: Exploravision Awards 2009**
13. **High School—College NASA Opportunity--The 16th Annual Great Moonbuggy Race**
14. **Grades K-12: Science of Spectroscopy**

Classroom Materials

15. **Grades PK- 2: Preschool Science and Nature**
16. **Grades PK-4 NASA Educational Materials**
17. **Grades K-3: Selected Science Web Sites for Primary School Students**
18. **Grades 5-8: Interactive Online Weather Resource**
19. **Grades 5-8 NASA Educational Materials**
20. **Grades 5-12: NASA Solar Storms Activities**
21. **Grades 9-12 NASA Educational Materials**
23. **Grades K-12: December PBS Media Infusion**
24. **Grades K-12: PBS--FREE Multimedia Resources on Water Quality-**
25. **Grades K-12: Resources for Earth Science and Geography Instruction**
26. **K-12: Register today for National Environmental Education Week**
27. **Grades K-12: Riverdeep Learning Village**
28. **Grades K-12: Interactive Websites**
29. **Grade 12 National Youth Science Camp**
30. **Grades 6-8: Create "Green Solutions" Sustainability Challenge**
31. **Grades 9-12: Biology Olympiad**
32. **Grades K-12: WGBH Teachers' Domain**
33. **Grades 9-12: Publication Possibilities for Students**
33. **Grades K-12: WGBH Teachers' Domain**
34. **Grades K-12: Earth Day T-Shirt Design Contest**
35. **K-12: 2009 is the Year of Science**
36. **Grades K-12: Toshiba Grant Opportunity**
37. **Grades 9-12 Teachers: Presidential Awards Applications**
38. **Grades 6-12: Online Earth Science Course**
39. **Teachers: Publish Your Science Activities!!!**
41. **Teachers: Einstein Fellowship - Application Still Open!**
42. **Teachers: Research Experiences for Teachers (RET) in Florida, summer 200**

See All These Items Below...

CURRENT NEWS

1. NECAP Science News

As a result of teachers' questions during the Fall Science Network Meetings regarding NECAP Science concerns, a "Frequently Asked Questions" document (FAQ) is now available on the DOE website (http://education.vermont.gov/new/html/pgm_curriculum/science/necap_science.html) This information might be helpful in your discussions with colleagues and community members about NECAP Science.

NECAP Science Released items from the 2008 assessment are also available at the above website.

2. *Emerging Science* Video Contest



Do you have a lot of ENERGY??
Enter Vermont Public Television's *Emerging Science* Video Contest!

Win one of three iPod Shuffles!

Show your creativity and understanding of energy by creating a video to demonstrate BASIC ideas in ENERGY. Video themes could include, but are not limited to: energy production, heat, fuel, the sun, energy transfer, fossil fuels, energy alternatives and their effect on living organisms.

Be CREATIVE. Your video could feature you alone or with others and/or could illustrate energy science concepts using:

| | | |
|-----------|-------------|--------------|
| Lab Demos | Music | Song |
| Dance | Animation | Humor |
| Rap | Slam Poetry | Imagination! |

Entries will be rated and three winners will be selected by a panel of judges, based on content and originality. Winning videos will be used online to promote the second season of VPT's new science series, *Emerging Science*, scheduled to premiere this winter. Each winner will receive an iPod Shuffle!

Entry Information

- **Deadline:** Dec. 15, 2008 (entries must be postmarked on or before Dec. 15)
- **Video Length:** Up to 3 minutes (credits may extend past 3 minutes)
- **Submission format:** DVD
- **Mail entries to:** Emerging Science Video Competition

Vermont Public Television
204 Ethan Allen Ave.
Colchester, VT 05446

For more information about *Emerging Science* visit this website....

<http://media.vpt.org/pdfs/emergingscience/escontest.pdf>

3. Vermont Science Initiative is Right for You!!

Looking for support with science? The Vermont Science Initiative (VSI) is accepting applications for its 2009-10 professional development opportunities for K-8 teachers. The VSI Tier 1 program develops science teacher leaders in a three year curriculum leading to a Master of Arts in Science Education. This graduate

program incorporates coursework in science content, pedagogy, assessment, and leadership.

VSI Tier 2 is a four credit, one year professional development program that focuses on mastering science-related content, acquiring science-teaching skills, and improving general teaching practice. VSI Tier 2 engages teachers in a one-week summer institute in content-based science inquiry and regional meetings during the school year that address best practices in the teaching of science. This program is specifically designed for supervisory unions, districts, schools, or ESA regions.

For more information and an application visit www.vtscience.org. Questions can be directed to Dr. Liz Dolci, program director at Elizabeth.Dolci@jsc.edu or Ms. Renee Affolter, VSI Program Associate at Renee.Affolter@jsc.edu

4. VSTA Membership

NOW is an opportunity for you to join your Vermont science teaching colleagues as members of the Vermont Science Teachers' Association. Lots of sharings and great ideas!!! Check out the website and sample of the latest Newsletter.

<http://www.uvm.edu/vsta/>

VERMONT DOINGS

5. ECHO Aquarium and Lake Center—Teachers' Choice Programs

ECHO SCHOOL PROGRAMS

ECHO education programs model inquiry-based teaching by facilitating student activities, prompting investigations, and encouraging dialogue during intentional exhibit exploration. And of course, they're lots of fun!

<http://www.echovermont.org/foreducators/programs.html>



6. Check Out These Vermont Sites--

for further classroom activities and field trips:

- Green Mountain Audubon
http://vt.audubon.org/PDFs/GMAC_SchoolProgramBrochure_2008-2009.pdf
- Birds of Vermont Museum <http://www.birdsofvermont.org/events.php>
- PK-4 Montshire Museum—Books and Beyond for Preschoolers
<http://www.montshire.org/events.html#shop-save-explore>

STEM INFORMATION

7. Grades K-6: CEE Children's Engineering Educators, LLC

The site, with a subtitle: “Developing Technological Literacy at the Elementary Level” has been created by a group of elementary school teachers from Virginia who “believe in high standards and rigorous academic instructional programs, ... that the study and use of technology provides a creative and active way to apply state and national learning standards.” The site has links for PD, Teacher Resources, and Ready to Use Activities for elementary students <http://www.childrengineering.com/>

8. Grades 6-8 Christopher Columbus Awards for Middle School Science

The Christopher Columbus Awards is a national, community-based science and technology program for middle school students. The program challenges students to work in teams of three to four, with an adult coach, to identify a problem in their community and apply the scientific method to create an innovative solution to that problem. Eight finalist teams and their coaches will receive an all-expense-paid trip to Walt Disney World to attend national Championship Week and compete for valuable U.S. Savings Bonds and the \$25,000 Columbus Foundation Community Grant, plus a \$200 development grant to further refine their idea.

Entries must be postmarked by February 9, 2009.

<http://www.christophercolumbusawards.com>

9. Grades 6-9: Cybermission—Accept the Challenge

Registration for the 2008-2009 eCYBERMISSION competition closes on Friday, Dec. 19 at 11:59 p.m. EST. eCYBERMISSION, a free, web-based, math, science and technology competition for students in grades six through nine, is in its seventh year and going stronger than ever. In June 2009, eCYBERMISSION plans to award more than \$1 million in U.S. EE Savings Bonds to students on winning teams, so register your teams today at <http://www.ecybermission.com>



10. Grades K-12: National Engineers Week Foundation Online

These are the folks who started Engineers Week, which is designed to “reach out to current and future generations of engineering talent,” and features over 50 ways you can get involved with your students! <http://www.eweek.org/Home.aspx>

11. Grades 7-12: Signals of Spring with NOAA Remote Sensing

Signals of Spring — ACES (Animals in Curriculum-based Ecosystem Studies) captures the interest of your middle and high school students. They learn formal science, but in the context of the ocean. High-quality curriculum-based activities with NOAA remote sensing data improves environmental and ocean literacy. Find

out more online. Apply for the next ACES training — which begins December 15th.
<http://www.signalsofspring.net/aces/>

12. Grades K-12: Exploravision Awards 2009

**Tomorrow's Innovation Comes From Today's Young Minds
WHAT IS EXPLORAVISION?**

Now in its 17th year, ExploraVision encourages K-12 students of all interest, skill and ability levels to create and explore a vision of future technology by combining their imaginations with the tools of science. All inventions and innovations result from creative thinking and problem solving.

<http://www.nesecenter.com/page13/page13.html>

13. High School—College NASA Opportunity--The 16th Annual Great Moonbuggy Race

Registration is open for the 16th Annual Great Moonbuggy Race. High school and college students design and build a vehicle that addresses a series of engineering problems similar to those faced by the original lunar-roving vehicle team. Each school may enter up to two teams. The race will take place April 3-4, 2009, in Huntsville, Ala., at the U.S. Space & Rocket Center. Entries must be received by **Feb. 1, 2009.**

For more information about the competition and to register online, visit
<http://moonbuggy.msfc.nasa.gov/index.html>

Please e-mail any questions about this opportunity to Sabrina Pearson at
Sabrina.M.Pearson@nasa.gov.

14. Grades K-12: Science of Spectroscopy

This site features a wiki-based effort to tell the story of spectroscopy -- the use of light to study matter. Find answers to questions about the basic theory of light, energy, and the electromagnetic spectrum. What is light? How is it created? How does it affect matter? What is energy? Learn about everyday applications of spectroscopy, including CAT scans, Mars exploration, MRIs, microwaves, sunscreen chemistry, the chemistry of vision, uses of lasers, and more. (National Aeronautics and Space Administration) <http://www.scienceofspectroscopy.info/>

CLASSROOM MATERIALS

15. Grades PK- 2: Preschool Science and Nature

Experimentation and hands-on science and nature activities help build a preschooler's understanding of the world. Using every-day activities to introduce concepts such as hypothesizing, organizing, and classifying will launch your preschooler's never ending quest for knowledge. The Preschool Science and Nature site provides ideas for introducing these concepts and discovering the world with your preschooler through experiments, field trips, and activities designed especially for kids with big ideas and little hands. Contributing writer: Charlene Haukom
<http://science.preschoolrock.com/>

16. Grades PK-4 NASA Educational Materials

The NASA Website has a wealth of GRADES PK-4 educational materials for FREE! Go to this site and take a look http://www.nasa.gov/audience/foreducators/k-4/internet/sites_archive_1.html

17. Grades K-3: Selected Science Web Sites for Primary School Students

This site <http://www.ncsu.edu/imse/4/elementaryEd.htm> lists some of the best online resources for teaching science to young students. If you know of others that we should highlight or feature, please send your suggestions to Gail Hall gail.hall@state.vt.us

18. Grades 5-8: Interactive Online Weather Resource

Both earth science teachers and general science teachers will be interested in this colorful and interactive website that shows worldwide weather. It has several useful features with advertising at the bottom that is so unobtrusive that you may not even notice it at first.

<http://www.worldweathermeteo.com/WWMSat.html>

19. Grades 5-8 NASA Educational Materials

The NASA Website has a wealth of GRADES 5-8 educational materials for FREE! Go to this site and take a look http://www.nasa.gov/audience/foreducators/5-8/internet/sites_archive_1.html

20. Grades 5-12: NASA Solar Storms Activities

Learn how to predict solar storms to protect satellites and power grids

- * Predict which sunspots may be a source of solar storms!
- * Discover when solar storms occur and predict which ones will affect Earth!
- * Measure disturbances to Earth's magnetic field and predict auroras!
- * Know when to watch for auroras!

Once thought to be unchanging, the Sun is now known to vary constantly. Changes in the activity of the Sun occur in eleven-year cycles. Sunspots can appear and disappear over days or weeks. Flares and large ejections of mass (coronal mass ejections) occur in time spans of minutes to hours. The energy of the Sun constantly blows out a 'solar wind' of electrified particles that is the extended atmosphere of the Sun. Visit the web site to learn more and to connect with resources to bring the sun into your classroom

<http://son.nasa.gov/tass/index.htm>

21. Grades 9-12 NASA Educational Materials

The NASA Website has a wealth of HIGH SCHOOL educational materials for FREE! Go to this site and take a look http://www.nasa.gov/audience/foreducators/9-12/internet/sites_archive_1.html

22. Grades K-12: Ocean Service Education

This site provides online tutorials on corals, currents, estuaries, geodesy (global positioning), pollution, and tides; case studies on an oil spill and an invasive species (Lionfish); two mysteries for young students (grades 3-5) to solve; and dozens of lesson plans on climate change, coral reefs, currents, ecosystems, estuaries, global positioning, habitat management, marine sanctuaries, navigation, ocean exploration, pollution, tides, and more. (National Oceanic and Atmospheric Administration) <http://oceanservice.noaa.gov/education/>

23. Grades K-12: December PBS Media Infusion: An Explosion of High Quality Video, Visualizations, and Data for Teachers

The amount of high-quality video and Internet resources for teachers has exploded in recent years. Programs like Google Earth and NASA's Worldwind allow for lesson plans with stunning visuals and rich content to augment students' classroom experience.

But the very breadth of these offerings makes it difficult for teachers to find the best and most useful resources for their classrooms. Steve Kluge has spent the last 31 years in the high school classroom teaching the New York Regents Earth Science Curriculum to ninth graders, and an advanced, undergraduate credit bearing geology course to seniors. In this month's Media Infusion, Steve takes educators on a guided tour of PBS resources that take advantage of the explosion of materials for use in the classroom, utilizing detailed lesson plans with links to the best of the best.

PBS Teachers invites educators to visit [Media Infusion](#) in December and ask questions, comment on Kluge's suggestions or offer some of their own.

24. Grades K-12: PBS---FREE Multimedia Resources on Water Quality-- Raindrops to Rivers:

Raindrops to Rivers (<http://www.raindropstorivers.org/>) is a project produced jointly by KET, the Kentucky Division of Water and the Kentucky Department of Education, that develops resources on water quality for teaching and learning environments. The site includes instructional videos for students: an electronic field trip to a watershed and a full-length documentary, Common Ground and Cleaner Water. The teachers and students appearing in the videos are engaged in authentic activities, in both indoor and outdoor classrooms and at streams, creeks, and other watersheds. In addition to presenting engaging science lessons, the resource features collaborations between science and other content areas

25. Grades K-12: Resources for Earth Science and Geography Instruction

This website contains links which are organized alphabetically around the sequence of topics typically taught in an introductory earth science or physical geography class. Links are also available for environmental science, earth science/geography education, career opportunities, and more. The sites selected are based on image quality, ease with which lesson plans can be developed, organization, authenticity, scope, and format. Check Alphabetized Earth Science Animations (AESAs) for a links to almost 400 earth science concepts. [Alphabetized Earth Science Animations \(AESAs\)](#)

[Earth Science Sites of the Week Archive](#)

26. K-12: Register today for National Environmental Education Week April 12-18, 2009 Be Water Wise!

National Environmental Education Week (EE Week) is the nation's largest organized environmental education event. Held each April, EE Week promotes understanding and protection of the natural world by actively engaging K-12th grade students and educators of all subjects in an inspired week of environmental learning and service before Earth Day. Join the thousands of schools, nature centers, zoos, museums, and aquariums nationwide who have made a commitment to engage students in environmental learning through participation in EE Week!

This year's EE Week theme is Be Water Wise! Registered partners will have access to a wide variety of **FREE environmental education resources**, including:

- * Standards-based environmental education lessons and activities, including water conservation, watershed, and water quality curricula,
- * Access to EE Week's school water audit tool in which students "find the leaks" in water usage at school,
- * Opportunities for online communication and knowledge-sharing with educators from across the country, including participation in the EE Week Photo Blog contest,
- * Monthly electronic newsletters highlighting the latest EE curricula, professional development, and funding opportunities,
- * Certificates of participation for themselves and their students, and
- * A free issue of National Geographic Explorer magazine for those registering before **January 30, 2009!**

You can join a national network of educators dedicated to increasing environmental literacy, promote environmental learning, and gain national exposure for your school or organization by registering today! Questions? Contact Jessica Culverhouse at culverhouse@neefusa.org or 202-261-6484. <http://www.EEWeek.org>

27. Grades K-12: Riverdeep Learning Village—An Online Resource for Classroom Materials

Visit a website with a number of science resources—lessons, units, assessment tasks (including performance assessments). Materials from Science Network Meetings are also included in the ‘Resources’ section. Go to the website below and use the following password and user name for read-only access and download any of these materials.

Username—**vt.teacher** Password—**vermont**

28. Grades K-12: Interactive Websites

<http://www.learningscience.org/index.htm>

Using the National Science Education Standards (NRC, 1996) as their framework, the webmasters at this site present high-quality FREE science interactive web sites and resources from around the world for educators in for K-12 schools.

Their resources are free, and always available, and feature sites in the following areas

- *Science as Inquiry
- *Physical Science
- *Life Science
- *Earth and Space
- *Science and Tech
- *Science and Society
- *Nature of Science

They also have links to “Tools to Do Science” (create a graph, use a timer, print a ruler or graph paper), “Cool Learning Tools for Math” (share these with your math colleagues), “Learning Tool of the Year” (which highlights the best science interactive site from the previous year), and “Education Hall of Fame” (featuring web sites they consider to be the best for science education).

GRANTS and LEARNING OPPORTUNITIES

29. Grade 12 National Youth Science Camp

Applications to attend the 2009 National Youth Science Camp are now available

online at <http://www.nysc.org/2009/> . Two graduating high school students will be selected to represent Vermont at the all-expenses paid honors program that will be held from July 1 through July 25, 2009 at Camp Pocahontas in the [Monongahela National Forest](#) near the [National Radio Astronomy Observatory](#) in the eastern mountains of West Virginia. Delegates to the 2009 NYSC will arrive in Charleston, WV, the State's capital, on Wednesday, July 1, 2009, and will depart on Saturday, July 25, 2009.

To apply, please download the application packet from <http://www.nysc.org/2009> and follow the enclosed instructions by **January 23, 2009**.

For questions about the application process, please contact Gail Hall at 802-828-0156 or by e-mail at gail.hall@state.vt.us . The NYSC is hosted and operated by the National Youth Science Foundation (<http://www.nysf.com>).

30. Grades 6-8: Create "Green Solutions" in National Middle School Sustainability Challenge

This challenge is the first and only national K–12 sustainability education initiative aligned to education standards and uniquely tailored to match students' growing comprehension abilities throughout their school-aged years.

The Siemens Foundation, Discovery Education and the National Science Teachers Association (NSTA) have partnered on this unprecedented initiative to educate, empower and engage students, teachers and communities to become “Agents of Change” in improving their community. Student teams, with the mentorship of a teacher or adult supervisor, will identify an environmental issue in their community, research the issue using scientific investigation, and create a replicable green solution using web-based curriculum tools powered by Discovery Education. The mentors of the first 100 teams to register and complete a project for the Siemens We Can Change the World Challenge will receive an award-winning Planet Earth series DVD set.. Submission will be accepted through **March 15, 2009**. <http://www.nsta.org/about/pressroom.aspx?id=55260> and/or <http://www.wecanchange.com>

31. Grades K-12: WGBH Teachers' Domain

Here is a new opportunity for you to consider! <http://lab.wgbh.org/open-call/frontline-heat-and-youth-voices>

WGBH Teachers' Domain reaches out to student video producers to make media more accessible. Your students could get involved too! NSDL's Digital Media Resources Pathway WGBH Teachers' Domain opens the door for student video producers with a new Youth Voices program and works with Perkins School for the Blind to create accessible science curriculum units for blind and low-vision students. Click here to view full article:

http://content.nsd.org/wbr/Issue.php?issue=current#id_04

32. Grades 9-12: Biology Olympiad

The USA Biology Olympiad is the premiere biology competition in the United States. Starting with almost 10,000 registered students from 40 states in 2008, the competition ultimately selects 4 students as "Team USA" who will represent our nation at the International Biology Olympiad. Last year, for the second year in a row, Team USA returned home from the International Biology Olympiad with 4 gold medals. The team hopes to capitalize on this success in 2009!

For additional information, the program schedule and online registration visit: <http://www.cce.org/usabo/index.shtml> Contact Marcy Reedy, Manager of the USA Biology Olympiad, at mreedy@cce.org or 703-448-9062 for further information.

33. Grades 9-12: Publication possibilities for Students

Very recently The Journal of Emerging Scientists (The JES) was formed in the hopes of organizing scientific study amongst high school students.

The editors are attempting to give students an opportunity for their work to be recognized at an early stage in their career. By submitting articles to The JES, students will have the chance to share their work with other high school scientists as well as learn more about the scientific process.

The JES will be accepting and publishing scientific articles on original student research and written by students of high school age from all disciplines of science. Please help to generate interest in the organization; for now they plan to accept articles from any student that wishes to submit one. For further information on format and how to submit articles please visit the website <http://www.jemergingscientists.org/>

34. Grades K-12: Earth Day T-Shirt Design Contest

Inspire! Educate! Do something positive for the environment! Have your students get involved for Earth Day 2009 by having your students enter the Earth Day 2009 T-Shirt Design Contest sponsored by the National Environmental Science Education Center, Inc. There are four divisions, K-3, 4-6, 7-9, and 10-12. National winners in each division will have their art design appear on t-shirts and win a \$50 US Savings Bond (Series EE).

Each student chooses 1 of these 3 options for expressing themselves:

1. Create a unique environmental design artwork that you would like to see on a T-Shirt!
2. Create a catchy slogan that would inspire others!
3. Combine your unique artwork with a slogan!

This contest is perfect for all ages and abilities. You choose the best entry from your school and submit it for consideration. Entries must be received no later than midnight of **March 13, 2009**. <http://www.eeweek.org/>

35. K-12: 2009 is the Year of Science

More than 350 organizations are shining the national spotlight on science in 2009, by celebrating the question: How Do We Know What We Know? Find out how you can participate in the Year of Science 2009 (YoS09) by visiting its web site, listed below.

<http://www.vearofscience2009.org>

36. Grades K-12: Toshiba Grant Opportunity

You can jumpstart your students' imaginations by having them compete in the [ExploraVision Awards competition](#). Sponsored by Toshiba and administered by the National Science Teachers Association, the ExploraVision competition gives students in grades K – 12 the chance to create their own visions of the future. January 14, 2009 at 6:30pm http://learningcenter.nsta.org/products/symposia_seminars/ExploraVision/webseminar.aspx

TEACHER RESOURCES

37. Grades 9-12 Teachers: Presidential Awards Applications

HIGH SCHOOL SCIENCE TEACHERS...Now is the time... for you to consider applying for the 2009 Presidential Awards program. You may nominate yourself or a colleague...and then complete the application by May 1. **Reminder:** A short video of your classroom teaching must be included...so select your best lessons to tape!! See this website for further information or contact Gail Hall at gail.hall@state.vt.us
<http://www.paemst.org/controllers/home.cfc?method=view>

38. Grades 6-12: Online Earth Science Course

Are you seeking a PD opportunity that will enhance your ability to integrate Earth system science, climate, and global change into your science classroom? The National Center for Atmospheric Research (NCAR) is offering a series of 7 week on-line courses for middle and high school teachers. The courses combine geoscience content, information about current climate research, easy to implement hands-on activities, and group discussion. The courses run concurrently from June 19, 2009 through August 9, 2009. There is a \$200 fee per course
<http://ecourses.ncar.ucar.edu>

39. Teachers: Publish Your Science Activities!!!

Miriam Aronin, Managing Editor, for Science Activities, has sent out a call for papers or articles by teachers about successful classroom activities. If you are interested, contact her at maronin@heldref.org

40. Teachers: PBS website

A great site for articles and ideas for instruction on Nature and Earth Science topics. <http://www.pbs.org/teachers/mediainfusion/>
<http://www.pbs.org/teachers/sciencetech/>

41. Teachers: Einstein Fellowship - Application Still Open!

The Albert Einstein Distinguished Educator Fellowship is a paid fellowship for K-12 math, science, and technology teachers. Einstein Fellows spend a school year in Washington, DC serving in a federal agency or on Capitol Hill. To be considered for an Einstein Fellowship for the 2009-2010 school year, apply and submit three letters of recommendation online by January 13, 2009. This is a great opportunity for any teachers who are interested. The year in D.C. is fascinating and enlightening! Go for it!!

Apply online at <https://applicationlink.labworks.org/applicationlink/default.htm>

For more information about the Einstein Fellows program visit www.trianglecoalition.org/ein.htm or contact Liz Burck at burckl@trianglecoalition.org.

41. Teachers--Green Mountain Club Coordinator Position Available

MEMBERSHIP AND VOLUNTEER COORDINATOR/DIRECTOR

The Green Mountain Club, a nonprofit hiking organization headquartered in Waterbury Center, maintains and protects Vermont's Long Trail. GMC seeks a friendly, energetic, computer-savvy professional with excellent organization and communication skills. Responsibilities include membership recruitment and retention, database management, event coordination, and managing and supporting an extensive volunteer program. Requires experience working for a member-based

non-profit, strong communication skills, attention to detail, database management experience, and strong commitment to member and volunteer service. Raiser's Edge, In Design software, and/or website experience highly desirable. Great working environment, good benefits. Full time, flexible scheduling. Applications must be received by Dec. 12. EOE.

Send cover letter, resume, and salary requirements to:

GMC

Attention: Executive Director

4711 Waterbury-Stowe Rd.,

Waterbury Center VT 05677

Full job description follows.....

Job Title: Membership and Volunteer Coordinator/Director

Reports To: Executive Director

Job Summary:

This full-time position is responsible for GMC membership and volunteer coordination and development. This includes maintaining and increasing GMC membership and volunteer resources. Membership Program responsibilities include coordinating membership recruitment and renewal efforts, answering member questions, and supporting the fourteen GMC sections on membership administration and related issues. Volunteer Program duties include recruiting volunteers and placing them in appropriate projects, supervising office volunteers on a weekly basis, and coordinating volunteer recognition.

Job Duties:

Membership Program

- Respond to membership related inquiries and requests.
- Work with GMC sections: assist section officers and members with inquiries, prepare mailing labels for section newsletters, prepare monthly updates and address membership administrative issues, maintain section membership contact orientation packet.
- Coordinate membership recruitment efforts: write letters and applications, rent and trade mailing lists, coordinate annual direct mail appeal and phonathons, assist with membership outreach events.
- Welcome new members: coordinate and update new member packet, organize premium mailings.
- Write and arrange monthly mailings of annual at-large and section renewals and follow-up notices.
- Contribute to GMC communication initiatives in print and on-line
- Supervise management of membership database and monitor membership counts.
- Assist directly with data entry on an occasional as-needed basis during peak seasons.
- Oversee coordination of Club's annual meeting, club officer meetings, and other member events.
- Serve as staff support to the Membership Committee and Nominating Committee.

Volunteer Programs

- Respond to volunteer related inquiries and requests.
- Recruit volunteers for projects both on and off the Long Trail: work with staff, sections, and on special projects and process volunteer information.
- Supervise office volunteers on a weekly basis.
- Coordinate the trail and shelter adopter program and assist with the corridor monitoring program: work with volunteer coordinators and staff on recruitment, mailings, and updating databases.
- Coordinate quantitative tracking of volunteers and volunteer recognition through awards, events, and formal acknowledgment.
- Serve as staff support to the Volunteer Committee.

The executive director provides direct supervision through informal and scheduled meetings. The membership and volunteer coordinator supervises volunteers and interns, at times on a daily basis. This can demand minimal to substantial oversight depending on the participants and/or project. Supervision skills include providing clear instructions & communications, preparing project materials and work space, and building positive working relationships.

For membership administration this position works closely with the Membership Assistant. Membership and Volunteer matters require working with all staff in varying capacities at different times. In both areas the coordinator works with members and volunteers (individuals and groups), and solicits print shops and bulk mail vendors. Fiscal responsibilities include developing membership program budget in consultation with the executive director.

Responsible for maintaining and increasing membership base, and for recruiting volunteers for projects both on and off the trail, for both ongoing and one-time projects. Maintain quantities for membership and volunteer literature, and for premium supplies.

Accountabilities:

Continue efforts to maintain and increase the GMC membership and volunteer pool.
Promote section membership and vitality and diversify GMC membership as a whole.

Qualifications:

- Experience in working for a member and/or volunteer organization. Demonstrated writing and communication skills, including development of informational and instructional materials.
- Bachelor's degree
- Strong working knowledge of word processing and computer database management. Experience with desktop publishing and database software desirable. Experience with Raiser's Edge, In Design, and Adobe software very desirable.
- Commitment to customer service. Must be able to communicate and work well with GMC members, staff, and especially volunteers. Must be self-motivated and capable of motivating others.
- Available for occasional evenings (e.g. weekday 6pm committee meetings) and weekend work (e.g. quarterly Saturday board meetings, annual meeting during last weekend of May or first weekend of June). Flexible scheduling, comp time.

Peter S. Antos-Ketcham

Director of Stewardship/Facilities Manager

Green Mountain Club

4711 Waterbury-Stowe Rd.

Waterbury Center, VT 05677

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The mission of the [Green Mountain Club](#) is to make the Vermont Mountains play a larger part in the life of the people by protecting and maintaining the Long Trail System and fostering, through education, the stewardship of Vermont's hiking trails and mountains.



Please consider the environment before printing this email

42. Teachers: Research Experiences for Teachers (RET) in Florida, summer 2009

Florida State University is now offering two Research Experiences for Teachers (RET) programs in/near Tallahassee, FL. Both programs are funded by the National Science Foundation (NSF). These RETs are 6 week summer research experiences that match highly qualified Elementary, Middle and High School teachers with scientists at either the

National High Magnetic Field Lab (NHMFL) or the FSU Coastal Marine Lab. The programs offer teachers a \$3600 stipend, travel and housing support to non-local teachers. <http://www.ret.magnet.fsu.edu/education/ret/> OR <http://bio.fsu.edu/osta/RET>

CALENDAR: UPCOMING EVENTS/OPPORTUNITIES/DEADLINES

2008

December 12, 2008: Green Mountain Club Coordinator Position
pantosketcham@greenmountainclub.org

December 15, 2008: Emerging Science Energy video Contest deadline.
<http://www.vpt.org/programs/emergingscience.html>

December 9: NSTA/NSDL web seminar: Chemistry Comes Alive: III—Water
<http://learningcenter.nsta.org/products/webseminars.aspx>

2009

2009: The Year of Science
<http://www.yearofscience2009.org>

January 15, 2009: Deadline for International Children's Painting Competition (Environment)
http://www.unep.org/tunza/children/inner.asp?ct=competitions&comp=int_comp&int_comp=18th

January 21: Deadline to apply for Toyota Tapestry grants
<http://www.nsta.org/pd/tapestry/guidelines.htm>

January 30, 2009: Deadline for Environmental Education Week Registration (FREE Materials) <http://www.EEWeek.org>

February 1, 2009: Deadline for Great Moonbuggy Race Registration
<http://moonbuggy.msfc.nasa.gov/index.html>.

February 9, 2009 Deadline for Christopher Columbus Awards for Middle School Science
<http://www.christophercolumbusawards.com>

February 12, 2009: Charles Darwin Bicentennial Day. For more information, please visit:
<http://darwinday.org/englishL/assistevent/index.html>

March 13, 2009 Earth Day T-Shirt Design Contest
<http://www.eeweek.org/>

March 15: Deadline to submit "Green Solutions" in Siemens Sustainability Challenge (gr 6-8) <http://www.wecanchange.com>

May 1, 2009: Deadline for HIGH SCHOOL Presidential Awards Program applications.
<http://www.paemst.org/controllers/app.cfc?method=view>