



SCIENCE BYTES

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FLINN - Free Science Activities

Here are two free activities for January—one for life science and one for physical science—to share with your students from Flinn Scientific.

Always-hungry students can relate to this month's life science activity entitled "Brown Out"—this activity involves food! Nearly everyone has bitten into a delicious-looking apple only to find a soft mushy brown spot or seen freshly cut fruit turn brown. Why do some fruits and other foods turn brown and how can it be prevented? We give you background information that explains the role of enzymes in this color-changing reaction. Helpful tips are included to assist students in designing their own experiments to determine the effect that different variables have on this color change.

The physical science lab idea, "Simple Block and Tackle Pulley Demonstration" is sure to become part of your lesson plan every year! Engage the entire class with this student-performed, hands-on demonstration by turning students into giant human pulleys! It's definitely one of the best ways to introduce the concepts of force and mechanical advantage.

You'll find more ideas and products to help you teach science in the new 2008 Flinn Scientific Catalog/Reference Manual—Middle School Edition. Watch for it to arrive soon! It has everything you need at guaranteed

low prices—see our new "Gold Medal" Low Price Guarantee on page 4. Then check out pages 5–23 featuring exciting new products available only from Flinn. For the very best in price, products, service and support, order all your science supplies from Flinn Scientific!

To print "Brown Out" and "Simple Block and Tackle Pulley Demonstration" please go to:
http://www.flinnsci.com/Sections/MS/Activities/MS_act.asp

WWAMI - Alaska's Medical School

WWAMI – Alaska's Medical School is pleased to announce exciting opportunities for Alaskan students interested in medicine and other health-care careers:

The 2008 Alaska PreMed Summit (March 29):

How do you prepare for a career in medicine? What should you do while you're still in high school? How do you apply? What makes an applicant competitive? What are the best interviewing skills? Get answers to these questions, and more, at the third annual Alaska PreMed Summit. High school and college students, parents, counselors and advisors are invited to attend.

The registration form will be available on our website by early February:

http://biomed.uaa.alaska.edu/Premed_Summit.htm

□ Date of 2008 Alaska PreMed Summit: Saturday, March 29, 2008

□ Priority Registration Deadline: Friday, March 14, 2008

In addition, the UAA WWAMI Biomedical Program sponsors two high school summer programs:

For several decades, the UAA Della Keats/U-DOC Summer Enrichment Program has provided an exciting and valuable opportunity for disadvantaged Alaskan high school students interested in medicine and other health-care careers. This summer will continue that tradition. We're looking for Alaska students who could benefit from the experience of living and learning on a college campus for six (6) weeks.

□ Program Dates: June 29 – August 8, 2008

□ Priority Application Deadline: Monday, February 18, 2008

National Institutes of Health NIDDK STEP-UP. The STEP-UP program coordinates with the Della Keats / U-DOC Program, but it is restricted to Alaska high school students from under-represented ethnic minority backgrounds with 3.0 or better GPAs and a demonstrable interest in medicine or medical research. Students live with

and share the campus experience of the Della Keats/U-DOC students and complete a biomedical research project under the mentorship of UAA research scientists. They present their results at the NIH NIDDK Summer Research Apprentice Program's national conference in August, publish their results in an NIH publication and are given priority for related NIH programs and scholarships. See the attached flier for more information.

- Program Dates: June 29 – August 17, 2008
- Priority Application Deadline: [Monday, February 18, 2008](#)

The application and recommendation form for the Della Keats / U-DOC and NIDDK STEP-UP Programs are available on our website:

<http://biomed.uaa.alaska.edu/UDOC.htm>

Thank you for posting these fliers wherever potential students will see them. If you know of specific students who would benefit from this program, please ensure that they receive the opportunity to apply.

Sincerely,

Dennis Valenzeno, Ph.D.

Director and Professor, UAA WWAMI Biomedical Program

Associate Dean for Medical and Premedical Programs

AAAS - 2008 Leadership in Science Education Prize

Please help spread the word about an outstanding science teacher in your state or district. The American Association for the Advancement of Science (AAAS) is now accepting nominations for the 2008 AAAS Leadership in Science Education Prize for High School Teachers. The \$1,000 prize honors a high school science teacher who has contributed to the AAAS goal of advancing science education by developing an innovative and effective strategy, activity, or program. The 2007 winner was veteran chemistry teacher Chris Kennedy of Hiram, Georgia.

All nominations must be received by AAAS no later than 2 March 2008. For full details about the prize and to download the nomination and application forms, please visit:

www.aaas.org/aboutaaas/awards/hs_scied_leadership .

For more information, contact AAAS Project 2061's Lester Matlock at lmatlock@aaas.org

Science Mini Network Elive! Session

You are cordially invited to attend an online Elluminate meeting for the AEIN Science Mini Network.

Dan Bogan, from the Environment and Natural Resources Institute, will share information about participating in data collection for state-wide stream water quality

monitoring.

Additionally, we will determine those topics that you feel would be valuable to discuss during the upcoming monthly meetings. AEIN hopes to use this forum for science educators to communicate and collaborate with one another as we endeavor to provide the best learning opportunities for our students.

Monday, January 28th, 4:00-5:00 PM

I will log in by 3:30 and be available if you would like to arrive early to talk!

To join the meeting, click on the link below:

http://elive.uaa.alaska.edu/join_meeting.html?meetingId=1201025367175

Please enter your first and last name and location as your user ID. That will make it easy for us to identify one another.

Leave the login password blank!

Please Note:

If this is the first time you will be using Elluminate you may be prompted to download some software which may take anywhere from 2 to 20 minutes, depending upon your Internet connection speed. You can pre-configure your system with the required software by going to the support page located at:

<http://elive.uaa.alaska.edu:80/support.help>

I sincerely look forward to hearing from you! I am a member of the Alaska Educational Innovations Network staff and also teach science methods classes at UAA. Please forward this message to anyone who may be interested in joining us!

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