

## THE CATALYST

### SLIPPERY ROCK WATERSHED COALITION MONTHLY ACTIVITIES UPDATE

**NEXT MEETING:** 7 pm on 10/13/16 at Jennings Environmental Education Center, pizza and pop provided. 9/8/16 meeting attendance: C. Denholm, M. Dunn, V. Kefeli, B. Kuban, W. Taylor, F. VanAtta

### Westminster College Students Sample the McIntire Passive System

On September 9th, Westminster College students from **Dr. Helen Boylan's** Advanced Chemistry class traveled to our watershed to sample the McIntire passive treatment system as part of their ongoing service learning project. The McIntire system is located within the Blacks Creek subwatershed and treats one of the worst acid mine discharges in the entire Slippery Rock Creek watershed. **Cliff Denholm** of Stream Restoration Incorporated was on hand to provide a tour of the site and explain the passive treatment processes used to treat the mine water. Following the tour, the students split into two different teams to collect samples from various locations from the treatment system. The students then took the samples back to Westminster College where they teamed up in pairs to perform a variety of laboratory water quality analyses. The students will be presenting their findings at the October 13th SRWC monthly meeting which will take place at the Jennings Environmental Education Center at 7PM. As always, the meeting is free and open to the public. Come on out and support the students and learn about the effectiveness of this interesting system.



### WANTED: Volunteers

The SRWC is currently looking for volunteers for our Adopt-A-Passive Treatment System program. Volunteers will be the eyes and ears of the SRWC using simple test kits to make sure the passive treatment systems are working. The SRWC is also looking for volunteers for our data logger program. A scientific background is not needed for either program. All that is needed is the ability to walk/hike outdoors, be able to provide a few hours of your time each month, and a desire to help. We will teach you what you need to know and do. Contact **Cliff Denholm** by phone at 724-776-0161 or email at [sri@streamrestorationinc.org](mailto:sri@streamrestorationinc.org).





Some of the Westminster College students in Dr. Helen Boylan's Advanced Chemistry class pose at the McIntire passive treatment system in the Slippery Rock Watershed following completion of their water sampling efforts. Student lab analyses of water quality helps the SRWC know how effective the passive treatment is working. Students will present their findings at the October 13th monthly meeting of the SRWC at Jennings.

**Free Datashed Training Workshops!**

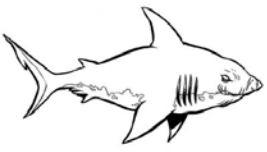
Our partnership effort is pleased to announce the availability of FREE training workshops for those interested in learning how to use the features of Datashed ([www.datashed.org](http://www.datashed.org)). Initially designed to support and highlight the efforts of students and volunteers, Datashed has grown to become a valuable tool for watershed groups, conservation districts, researchers, non-profits, government agencies, and anyone involved/interested in treating abandoned mine drainage and restoring AMD-impacted watersheds. In addition to storing and managing water monitoring data, the website can be used to store electronic copies of documents, such as design drawings, reports, O&M information, photographs, etc. The use of Datashed is free. A free user account is needed in order to add or edit data, but not to view data.

Datashed is used to store, organize, and display: project information to provide a historical record of site activities; water monitoring data for discharges, treatment systems and streams; restoration plans, reports, and other important documents; design Engineering Drawings, As-Built Drawings, and Schematics; maps, photos, and more. The workshops will cover finding, viewing, and using stored information and water quality data, creating web pages for projects not on Datashed (Passive and Active Systems, Streams, etc.), creating sample points in the database and uploading water monitoring data, uploading documents, photos, etc., using the site to record site inspections, maintenance events, and field data, using the help section, and more. The following is the schedule for the training workshops:

<u>Date</u>	<u>Time</u>	<u>Register By</u>	<u>Location</u>
10/18/16	10AM-4PM	10/11/16	Westmoreland Conservation District, Greensburg, PA
11/3/16	5:30PM-?	10/27/16	Eastern PA Coalition for Abandoned Mine Reclamation, Ashley, PA
11/4/16	10AM-4PM	10/27/16	Eastern PA Coalition for Abandoned Mine Reclamation, Ashley, PA
11/17/16	10AM-4PM	11/10/16	Patton Township Building, State College, PA
11/19/16	10AM-4PM	11/12/16	St. Francis University, Loretto, PA

Most training sessions (except the 11/3/16 EPCAMR evening session) start at **10 AM** and are planned to end by **3:30 PM** with about an hour break for lunch. Lunch is on your own and options will vary depending upon location. Most locations are reserved until at least 4PM so additional time will be made available to address specific questions by participants. Participants are encouraged to bring their own laptop if they have one, as most locations have none or a limited number of laptops or desktops for use. When registering, please let us know if you will or won't be able to bring a laptop. Additional specific information will be provided to participants prior to the events.

To register or to seek additional info, please contact Cliff Denholm, Stream Restoration Inc. at 724-776-0161 or [sri@streamrestorationinc.org](mailto:sri@streamrestorationinc.org). While walk-ins will be accepted if room is available, seating may be limited and we would greatly appreciate being able to plan appropriately for the event. Events that do not have sufficient registration will be canceled.



# The KIDS Catalyst

## SLIPPERY ROCK WATERSHED COALITION FUN ACTIVITY



### Fun Animal Facts—in Code!

Some really cool animal facts are ready for you to discover below! To find the answer to each of the 12 Fun Facts, use the code in the box. Each letter of the alphabet is code for a number. Look at the letters of the alphabet shown in parentheses after each clue, then check the box to see what letter each number stands for. Then you will have your answers! Some of the animals mentioned in the Fun Facts are pictured at the bottom of the page for you to color. If you mail us your completed paper, we'll send you a \$1 credit to spend on Amazon.com (with a parent's email) on whatever you'd like! Credits can be saved up to buy something extra special!

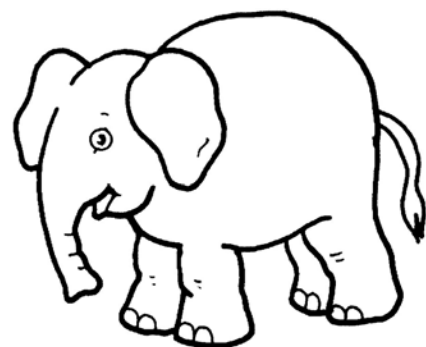
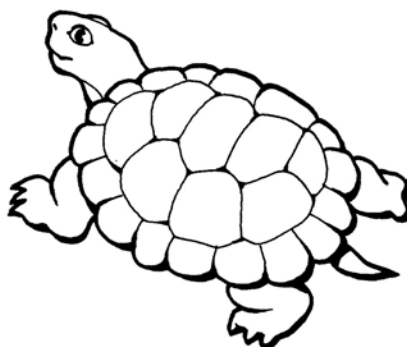
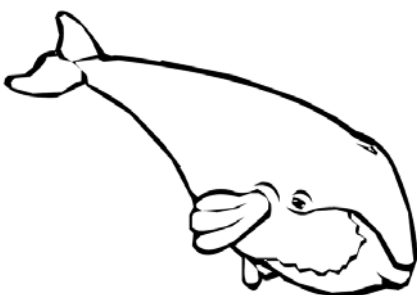
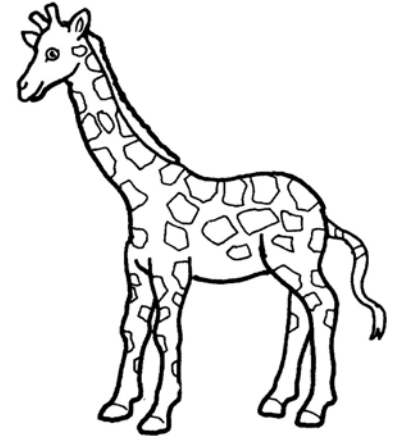
A, B, C = 1	M, N = 5	U, V, W = 9
D, E, F = 2	O, P = 6	X, Y, Z = 0
G, H, I = 3	Q, R = 7	
J, K, L = 4	S, T = 8	

Name \_\_\_\_\_ Age \_\_\_\_\_

Address \_\_\_\_\_

Parent email: \_\_\_\_\_

- Camels have this number of eyelids on each eye: \_\_\_\_\_ (H)
- Cats have this number of muscles in each ear: \_\_\_\_\_ (GD)
- Giraffes' tongues are this many inches long: \_\_\_\_\_ (FA)
- Peregrine falcons can go this fast, in miles per hour: \_\_\_\_\_ (EZ X)
- Humans can go this fast, in miles per hour: \_\_\_\_\_ (DQ)
- The largest blue whale recorded was this many feet long: \_\_\_\_\_ (BYW)
- The largest shark ever recorded was this many feet long: \_\_\_\_\_ (MU)
- Dragonflies are the fastest insects, moving up to this many MPH: \_\_\_\_\_ (HP)
- The world's oldest living animal was a turtle who lived to be: \_\_\_\_\_ (BRP)
- The largest colony of bats is in the Bracken Bat Cave in Texas, where there are this many MILLION bats: \_\_\_\_\_ (GZ)
- The African elephant is the heaviest land animal, weighing as much as this many pounds: \_\_\_\_\_ (CPNXY)
- Hummingbirds typically beat their wings this many times per SECOND: \_\_\_\_\_ (RY)





Slippery Rock Watershed Coalition c/o Stream Restoration Incorporated  
A PA Non-Profit Organization  
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## **Save the Date:** **Annual Student Symposium December 1st**

Mark your calendars for **Thursday, December 1st!** Please join us at the Annual Student Symposium on the Environment at Westminster College!

**Save  
the  
Date**



Join the Slippery Rock Watershed Coalition, environmental professionals, educators and watershed organizations for an evening at Westminster College showcasing student research and creative works. The Symposium marks the culmination of a semester of learning, application, and hard work. At the Symposium, students have an opportunity to practice presenting publicly, with the spotlight shining on their efforts in environmental study, research, artistic expression, and service work. Students from all disciplines, ranging from high school through graduate school, are encouraged to participate. Research posters, art work, oral presentations, and even

performances will be showcased for all interested in learning about and celebrating students' accomplishments.

A networking and technical session will be held for the first half of the evening, beginning at 5:30 PM, to be followed by oral presentations, and ending in the presentation of awards. The Symposium should conclude at approximately 9 PM. The SRWC is now accepting applications for student presentations. Please contact **Cliff Denholm** at **724-776-0161** if you would like to present at the Student Symposium.

Whether you are a return guest or this would be your first experience at the Student Symposium, we hope to see you there! We are looking forward to a large crowd to show support for our region's students, from high school to grad school!