

Thank  
You!

Flip over  
when turn.

Dear Erin,

Thank you for spending your time teaching us about chemistry. I enjoyed it a lot, and learned a lot of new things too. Here are some of the things I learned at each station. At the Macro-Invertebrates station I learned that a Macro-Invertebrate is an animal that you can see that doesn't have a backbone. I also learned that if you see a lot of pollution tolerant Macro-Invertebrates the water

is unhealthy, and same the other way. In chemistry I learned that ph scale tells if a substance is an acid or base. 1 being acid fourteen being base. The river was a seven or an eight which is good. In fishing I learned that the slime on fishes protects them from human and other germs. In fishing we caught a sunfish and a smallmouth bass. Thanks again for all the fun I had and spending your time with us.

Sincerely,  
Matt Herndon  
Matt Herndon

Dear Hannah,

Thank you so much for allowing me to experience this amazing opportunity. Fishing in the Little Miami River was tons of fun. I was fascinated by the diversity of fish there, from the northern hog sucker to the tiny darters. I also never knew about all the different parts of a river, like the fast riffles and the stagnant pools. In addition to that, I was fascinated to learn about how the mouth position can tell you what it eats, like how subterminal fish mouths usually belong to bottom feeders, like catfish. Anyway, I loved this field trip and

I can't wait to go with my family!

Sincerely,  
Ali Gradone

October 29, 2007

Dear Leo,

I wanted to thank you for teaching us about the macro invertebrates in the Little Miami on our field trip. It was a very fun field trip for me and everyone else at Nagel.

I learned a lot at your station. For example, I learned that a macro invertebrate is just a long word for a "visible, spineless animal." I also learned that they can be used as bioindicators, or an indicator to the quality of the water. Some animals can tolerate less pollution than others, so if these are found you have a healthy, clean river. Last, I learned that left-handed snails, or snails that open up on the left side, have much less tolerance for pollution than right-handed snails, or snails that open up on the right.

I want to thank you for giving your time to teach us about macro invertebrates. This will really give me a head-start into our next unit in science.

Sincerely,



Ashton Burch

Dear Erin,

I would like to thank you for teaching our science class about chemistry. We all had an excellent time and we enjoyed testing the water for many things. I enjoyed testing my water to see what it was on the pH scale. I loved how phosphate and nitrate were tested and how you added tablets to see what it was on a color scale. Even though the water was cold and fast, I still had an excellent time learning about acids, bases, the oxygen level, fertilizer, algae, and more. But what truly intrigued me the most was the turbidity tube. I thought about how useful it was for testing the clearness of the water. I also thought that this tool would be extremely useful for scientists trying to test the amount of dirt in the water and I also thought about how clear our water was. Again, I would like to thank you for taking time to do this extremely helpful experiment with us. I had a wonderful time!

Sincerely,

Jennifer La Count

Dear Hannah,

Thank you for teaching us all about fish. I learned that sub-terminal fish have mouths that are pointed downward so they can live and feed at the bottom. Terminal fish have mouths that are straight so they live and feed in the middle of the river. Fish that have mouths that are pointing upward are super-terminal and they live and feed at the top of the river. I also learned that fish have slime-coats that surround the fish and help kill bacteria. If you touch a slime coat too much though, the slime coat could deteriorate and the fish could die. Furthermore, you taught us that biodiversity is the different species of creatures that make up an environment. All in all, I learned a lot from fishing.

Thanks for educating Nagel Middle School,  
Yianni Kanellopoulos



Dear Erin,

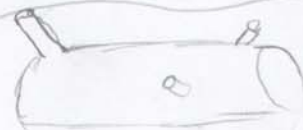
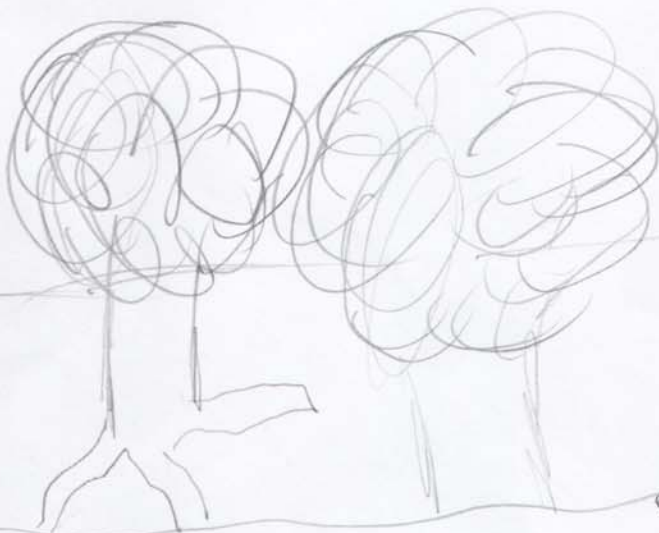
Thank you for teaching the chemistry section of the fieldtrip. You taught me a lot about how the water gets polluted and why.

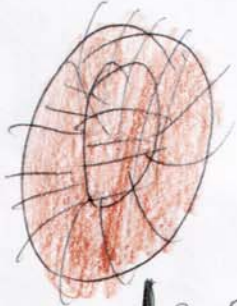
In chemistry, I learned that the main cause of pollution to rivers is mud. I would never have thought of mud as the main pollutant but it did make sense. I also learned that some macro-invertebrates can tolerate mud and some cannot. For example, the water pennies floated downstream to where the water was less muddy. I also learned that the secci disk could be used to measure how deep you can see underwater. How polluted the water is determines the height of the water in the secci disk.

Thank you again for taking the time to teach the chemistry section of our field trip.

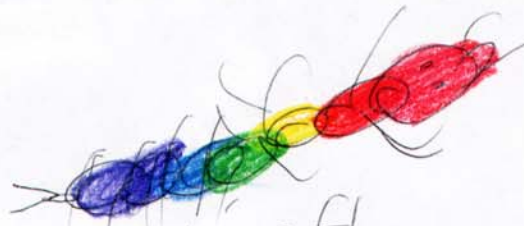
Sincerely,

Courtney Stockman





water penny



dobsonfly  
larva

October 29, 2007

Dear Hannah,

Thank you for teaching us to catch fish. I learned how to hold the net, and I learned how to chase fish into the net. I liked looking at the fish we caught in the aquarium and finding out what kind of fish they were.

Your friend,

Mac Morrison

Mac Morrison



dragonfly  
larva



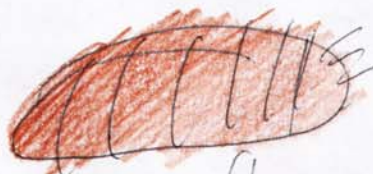
aquatic  
sowbug



stonefly larva/nymph



scud



crane fly  
larva



leech



left-handed snail

Dear Hannah,

Thank you so much for helping with our school field trip. We could not have been able to learn without you. I really liked the fishing station. It was the most entertaining and fun. I learned a lot. The most interesting thing I learned had to be how many species of fish are in the Little Miami River. Northern Hog sucker, darter, bass, minnows, and much more. I did not know that there could be that much aquatic life in a river. I also learned about the fishes fins. I never knew that each fin had a specific name like the dorsal fin and the pelvic fin. One last interesting thing I learned was vocabulary words like pool, riffle and more. Overall, I learned a lot on this field trip. Once again Thank You!!

Sincerely,

Kately Pelligrini

Dear Leo,

Thank you very much for teaching us about macro-invertebrates. We saw many different macro-invertebrates like the water penny, Planarian, Leeches, dragonfly larva, and dobsonfly larva. These animals were in many different levels of pollution tolerance. We found a good amount of insects with low tolerance which shows that the river health was good. My favorite part was looking at the macro-invertebrates. I learned a lot on this field trip.

Once again Thank you for your time and effort to help make our field trip a success.

Sincerely,

Jenny Fenker

# OHIO RIVER FOUNDATION

Little  
Miami



Dear Hannah,

Thank you so much for dedicating your time and effort in helping us learn and have a clearer understanding of the river. I really enjoyed your station most of all! Not only was it fun and exciting, but fishing let us learn about different species, how they affect our environment, how important it is to keep the water clean, and how to identify what the fish eats and where it lives. We also learned different methods of fishing, which was very new to me! After the field trip, I realized that fish have many different and important qualities that determine many things about the river. A whole new list of vocabulary has been added to my mind, like the different types of fins, mouths, and shapes of the fish. This experience was very fun and truly memorable, and it will follow me through the years to come. Thank you again for making this possible, it was a blast!

Thank You,  
Andrea G.

P.S. You've inspired me to get more involved in helping the environment!!