**Girls-in-Science 2017**

I had an amazing time at girls in science. I love solving mysteries, and I love science. I want to be a forensic scientist, and I learned so much from girls in science. My favorite part was biology.

 Going to the Girls in Science camp was a really fun experience and I'm glad I got the opportunity to be involved. I really hope I can go again next year, I learned so much! I loved learning about different types of blood and the diseases found in it. When I grow up I really want to be a forensic scientist and even though I already knew the steps to find out what blood type someone is, I enjoyed discovering what blood was fake and the different tests you can do to find answers. It was shocking at the end when the victim, Crystal Diamond, appeared and confessed having faked her death. It was so interesting to find out that Opal and Crystal are sisters, who would've guessed? I am looking forward to seeing you all again next year!

                     Sincerely, Kate Hill

I learned many things at Girls in Science. One of them was what binary numbers were the way computers think of numbers and letters and how to turn decimal numbers into binary numbers. I liked everything there, but I have to say that doing the binary numbers. Girls in Science makes me wish there was a Science club after school for girls.
     From,
          Adelaide Tesch

I had a lot of fun at the science trip i really liked it because we solved a crime.  And it wasn't really opal that killed crystal diamond but they are sisters at the end. I had a blast it was the best science trip ever i hope i go next year. The eou students where very good helpers they were kind and respectful to all of us.The crime was on a party and there was malakai, ruby, opal, crystal diamond,professor grant basalt,and almost everyone thought it was opal that killed crystal but it was not her because she is still alive.

Even though it was really hard to get up on saturday morning, I enjoyed the Girls in science day, because we had to blood type to see the different blood types there are. It was interesting to see the different blood types, and know that it was real blood. I thought that the binary numbers was interesting, it was tricky but really easy at the same time.At the end, i'm just glad that i didn't have to speak in front of about 120 people, about who murdered Crystal. At the end of the day I enjoyed watching the kids explain who they thank did it.

  A couple of things that I learned at the girls in science day were, Crystal Diamond had faked her death and real blood glows if you turn the lights out and put a black light on it. Also, we learned about binary numbers. To use binary numbers you have to look at the first four then the last four digits in the binary number. Then put the letter that goes with that binary number next to the eight digit number. We were separated into three groups which was Cinnabar, Pyrite and Galena. I was in the Pyrite group. Our group leaders were Quentin and this girl that I did not know. But, she seemed very nice. In the morning of our groups Quentin started off quite and then by the middle of the day he started yelling WHO ARE WE? Our group would yell back PYRITE. It was so much fun. If you get a chance to go you should. I am glad that I did the Girls In Science Day at EOU!!!!

Myranda

Girls in science was a very fun experience. This year we had to figure out a murder crime. To figure out the crime we went to three different stations Biology, Chemistry, and Math/ Computer science.

In Biology we did some blood typing. Blood typing is where you figure out what type of blood it is. They had blood samples and we mixed them with three serums, the rh serum which reacts with positives, the anti a serum which acts with type a blood, and the anti b serum which reacts with type b blood. If you had a positive sample it would clump with rh. If you a type a blood it would clump with the anti a serum. If you had type b blood it would clump with the anti b serum. Also in biology we measured bones. There was bones at the crime scene so we got to measure some bones. First we got to measure our own bone and do some math to figure out our approximate height, then we measured ourselves and found out our real height. After that we measured the bones found at the crime scene to see if they were big enough to fit the body measurements.

In chemistry we got to do three experiments, space the first experiment we got to do was see what the note was written out of at the crime scene,   it was written out of Sharpie the way we figure that out was be tested for different markers and we put them in ethanol and water and just a Sharpie was only one that traveled in the  ethanol.  The second experiment we did was we figured out what was on the cupcake at the  crime scene because there was  unusual sprinkles on the cupcake.  We dissolved all the mixtures and water and then we looked at them through a light spectrum. We determined that copper sulfate was on the Cupcake copper sulfate is a poison. The  third experiment we got to do was a blood test. We put phenolphthalein  on cotton swabs of blood. Then  we put a couple drops of hydrogen peroxide on the cotton swabs. The  real blood fizzed and turn more brown or red. The  fake blood stayed the same and spread a little bit. We  also  did a luminol test the real blood glowed  and the fake blood  did nothing.

The  last group we went to was  math /  computer science. We  figure it out how to decode binary numbers. There  was  a note at the crime scene  that had binary numbers on it. Once  we decoded the note it said call 911.  Girls  in science has been a very fun experience we got to do multiple tests to figure out a crime. In  the end we presented our group thoughts to  the other groups and parents. This  experience is fun for  multiple ages but sadly  you can only go 6 through 8th grade. I  encourage all of you to go to  Girls in science next year so you can learn as much as I did and hopefully have a career and one of these 3 categories in the future.

By, Ellie Monkman