



Introduction to Experimental Design

The Stars Challenge at Monmouth University Fall 2008



Back in September of 2005, when I first met with Steve and Margaret Ann, we spoke of our vision concerning this particular course offering. Since that time, I have had the pleasure of teaching it to four groups of students. In advertising for students, we always challenged them with this:

Curious? Conscientious? Inquisitive? Adventurous?

Just the type of student we want to be part of our team. You guys and girls certainly met our expectations on all counts. Jay and I are excited about the experimental designs you proposed and it is our hope that we get to work with many of you, should you choose to conduct the studies in the near future and present your work at Jersey Shore Science Fair. Thank you for the many fun Tuesday evenings.

Most sincerely,

Mr. Roche



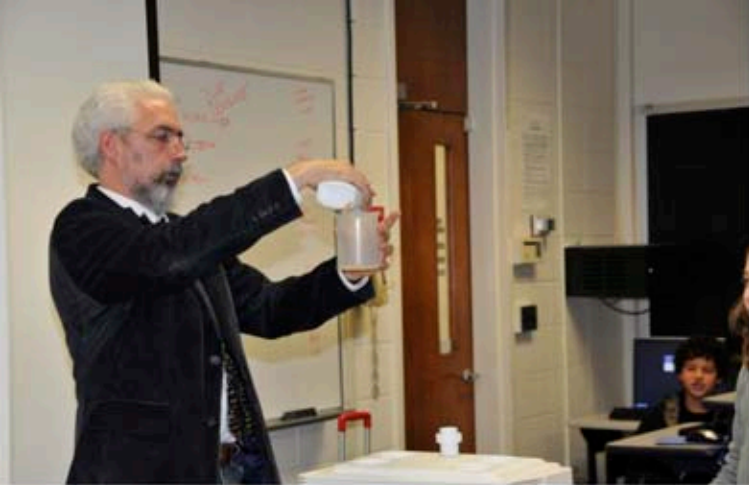
Does the expensive frisbee fly better than the cheaper one?



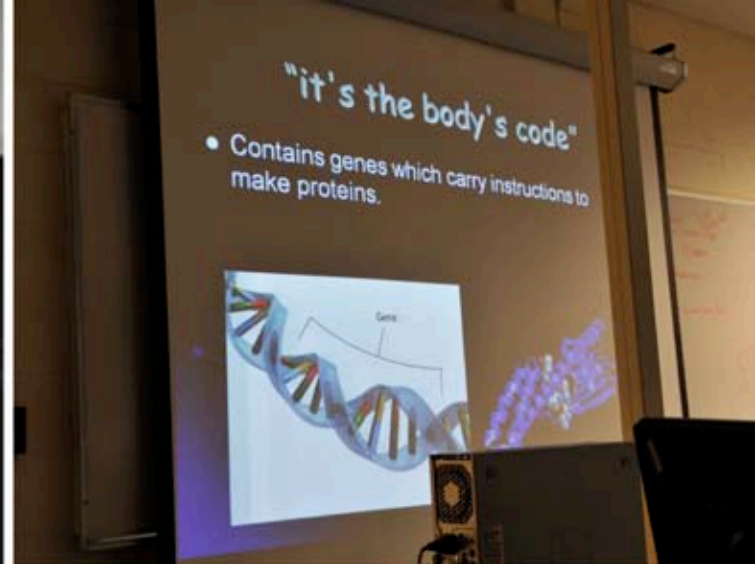


Kelsey's experiment on accuracy of copying the drawing of an elephant.





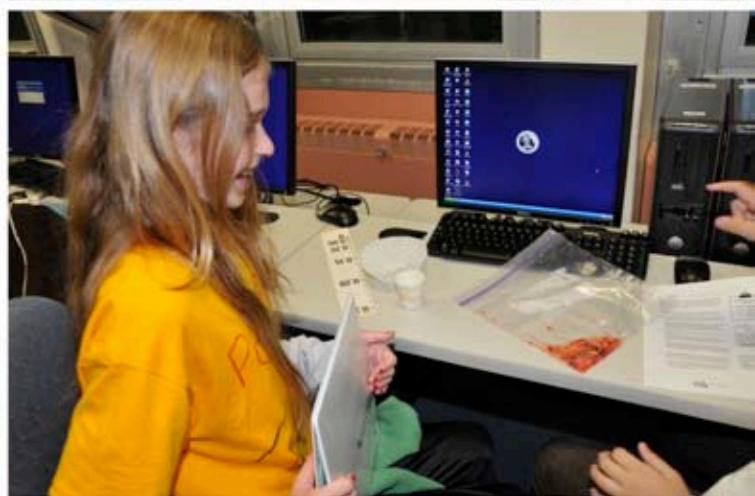
Farrah joined us to talk about DNA. Then we extracted the DNA from strawberries.



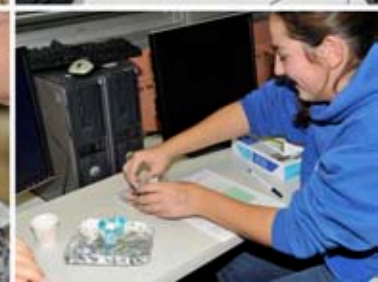


What fun! We didn't make too big of a mess and the strawberries smelled so good.





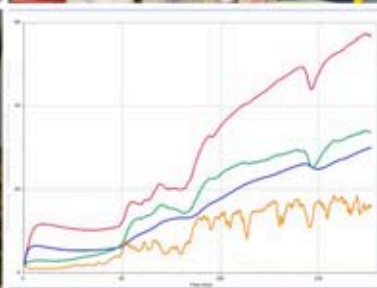
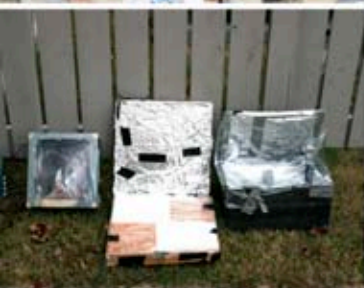
Mr. Roche's almost looked purple.





An amazing number of paper clips will fit into a full cup of water. Who knew?





The heliothermal collectors were fun to build and test.



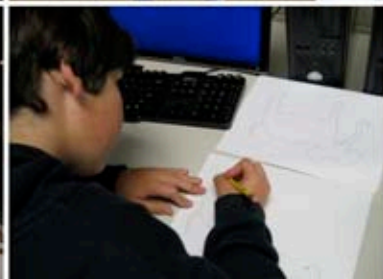
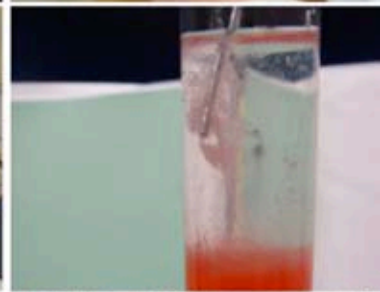


The class at High Technology High School is amazing. Mr. Roche and his student helpers sure know how to make science fun.





Your mentors from HTHS helped you work out the procedure for your proposed experiment. Hopefully many of you will be joining them at the Jersey Shore Science Fair.





The Stars Challenge



Made on a Mac