

Introduction to Experimental Design

The Stars Challenge at Monmouth University 2009



Crowding into room five forty seven Bethany, Derek and "my brother, Kevin"

Robbie and Johnnie, Madison, Jack -Slater & Jonathan hanging way back

Fiona and Emma. there's Mary Kate too, Monica, Tyler and Kaitlin with who?

Sam, Julianna and Miss Isabel Lastly Amrita, who helped out so well

Always a smile and ready to coach Assisting in teaching with me (Mr. Roche)

We both want to thank you for all that you shared Your enthusiasm - the fact that you cared -Optional "homework" that most of you did -Frankly, for just being "our type of kid"

Hoping our paths cross again - try not to lose your sense of wonder.

Most sincerely.

Mr. Roche



First day on campus - off to a flying start...



No one ever figured it out - "I guess she really is psychic" was the best hypothesis we heard.





Trying to make sense of the sensors.



Amrita outwits the sensor.



Isabel approves of Mr. Roche's iTunes playlist.



No problem with our sensors on Bethany's hands - keeping it out of Tyler's nose was a different concern!



Mary Kate ponders how to best get "green light" status for her proposal.



Kaitlin and Monica realize they've developed top-notch green light proposals.



Stars alumnus, Sarah, returns to help out with the heliothermal challenge.



Fiona had the best story about how she was able to gather materials for the collector!



STEP 8 - testing and evaluating

Temperature achieved above air temp

Green - 155.9 F Blue - 37.4 F Yellow - 36.9 F













...the girls take a swing at the laser photogates, while the guys code crayfish aggression...



HTHS online mentors "go live" in sharing some of the technology related to their research at High Tech (and Mary Kate looks good in a lab coat!)









































Introduction to Experimental Design

The Stars Challenge at Monmouth University 2009