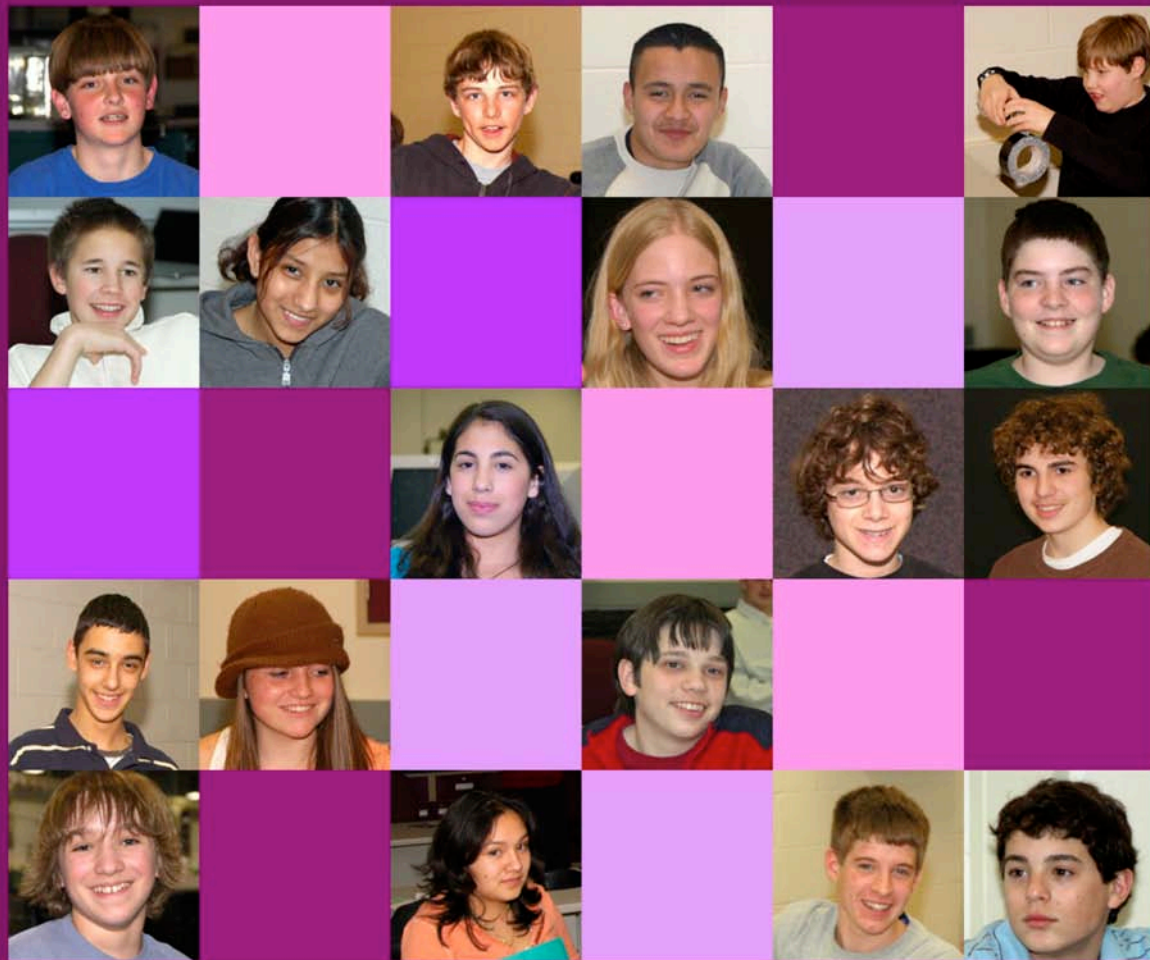




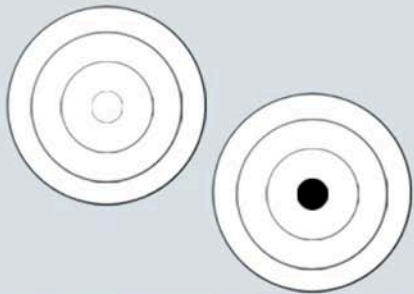
Introduction to Experimental Design

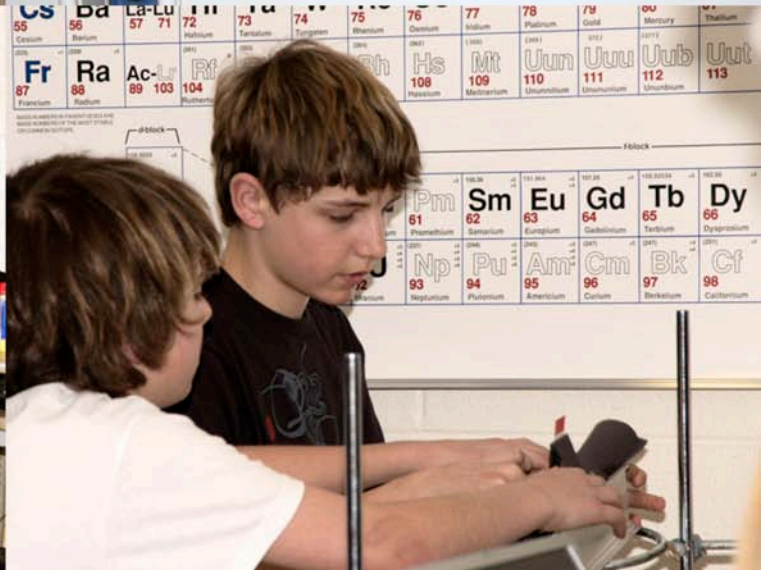
The Stars Challenge

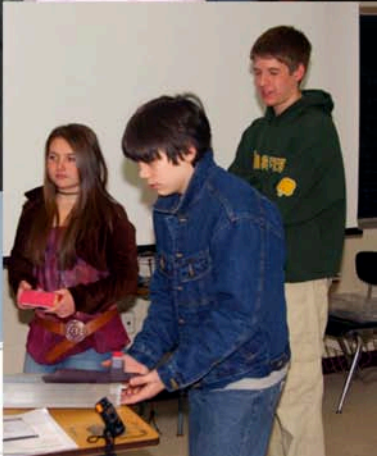
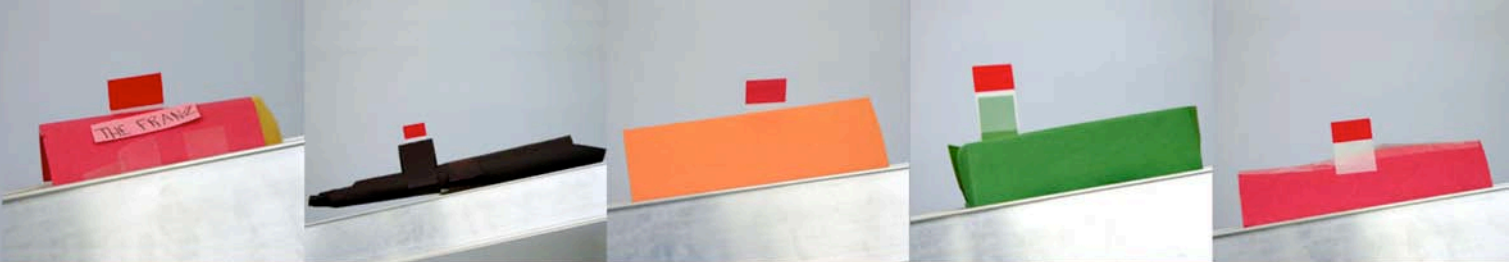


Stars Challenge at Monmouth University









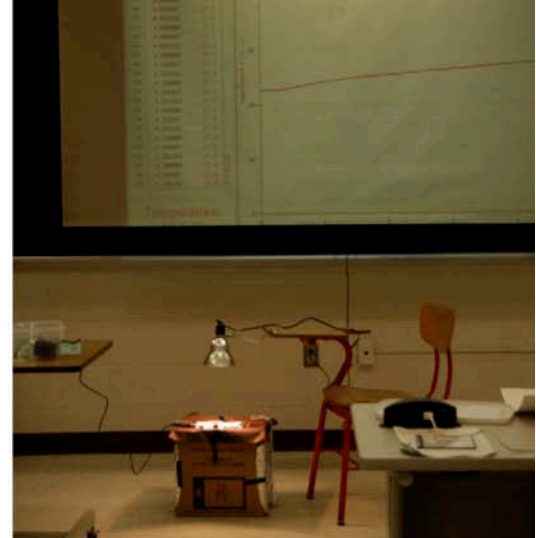
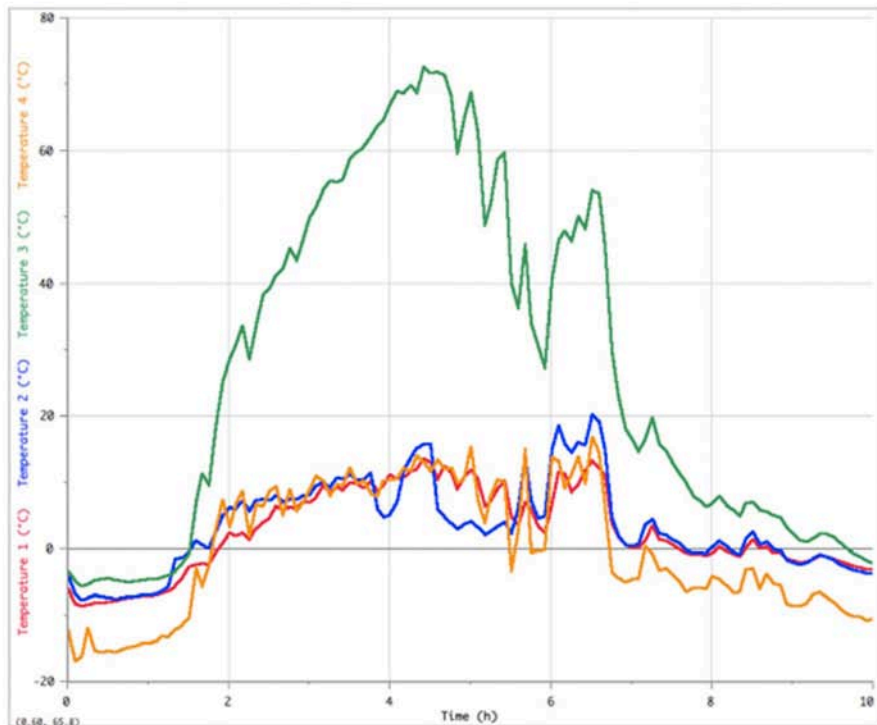


SOLAR ENERGY





Heliothermal Collectors – Feb 27th trial

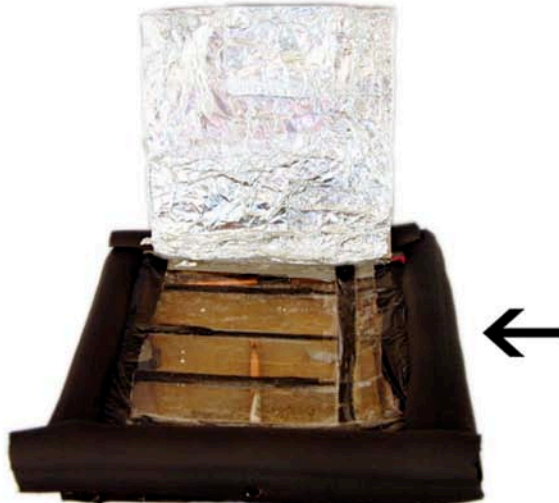
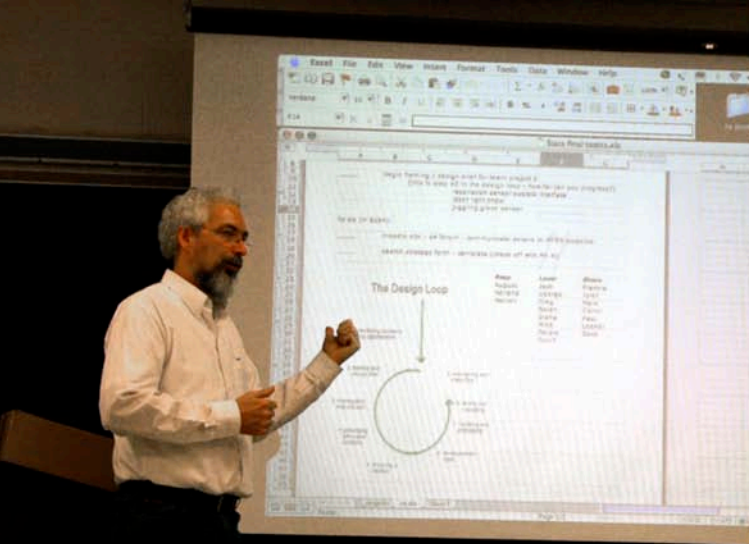


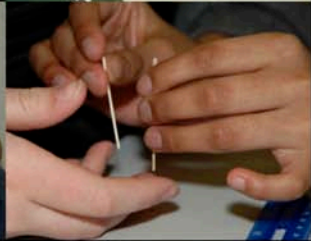
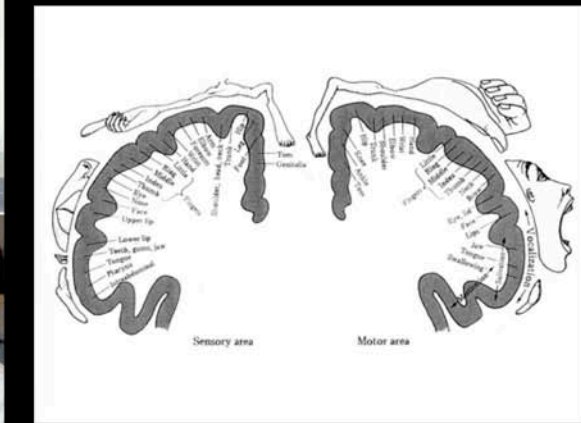
Vernier Format 2

first solar test feb 22.cml 2/27/2006 20:32:35 .

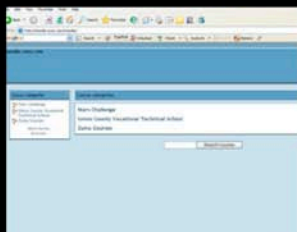
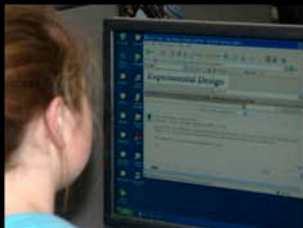
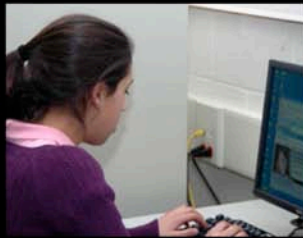
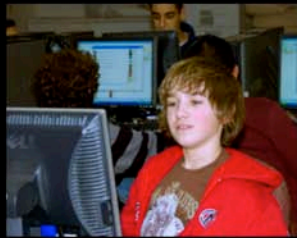
Latest

Time	Temperature 1 (°C)	Temperature 2 (°C)	Temperature 3 (°C)	Temperature 4 (°C)
t	Temp 1 °C	Temp 2 °C	Temp 3 °C	Temp 4 °C
h	°C	°C	°C	°C
0	2.87879	2.18182	2.87879	-4.76493
0.083333	4.28571	1.78788	2.54545	-5.54851
0.166667	4.6	1.24242	2.27273	-6.11839
0.25	5.48571	2.06061	2.93939	-5.1211
0.333333	5.14286	1.60606	2.78788	-5.76221
0.416667	5.11429	1.63636	2.57576	-5.54851
0.5	6	2.45455	3.35294	-4.40876
0.583333	6.41667	2.75758	3.85294	-4.26629
0.666667	7	3.32353	4.25714	-3.55395
0.75	7.91892	4.11429	4.85714	-2.6279
0.833333	8.45946	4.6	5.37143	-2.55666
0.916667	9.36842	5.82857	6.25	-0.704569
1	12.65	9.28947	8.16216	4.70925
1.08333	13.225	10.4615	10.0256	4.85172
1.16667	14.925	13	12.65	7.48739
1.25	15.6098	12.725	12.475	5.35036
1.33333	16.0238	11.5128	11.2051	3.35579
1.41667	17.4762	13.675	13.2	7.48739
1.5	19.9762	17.4762	16.9762	12.4026











Four Question Strategy Worksheet

Name: _____
Topic: _____

What materials are available for conducting experiments on _____?

How do (does) _____ act?

How can we change the set of _____ materials to affect the _____ ion?

How can we measure the response to the change?

- Dancers
- Thermal Clothing
- Sudoku Puzzles
- Targets
- Speed Reading
- Heavy Metal
- Pianos
- Solar Ovens
- Disk Storage Media
- Nerf Guns
- Sound Levels
- Music and Memory
- Body Boards
- Guitar Pedals
- Magnetic Levitation Vehicles



