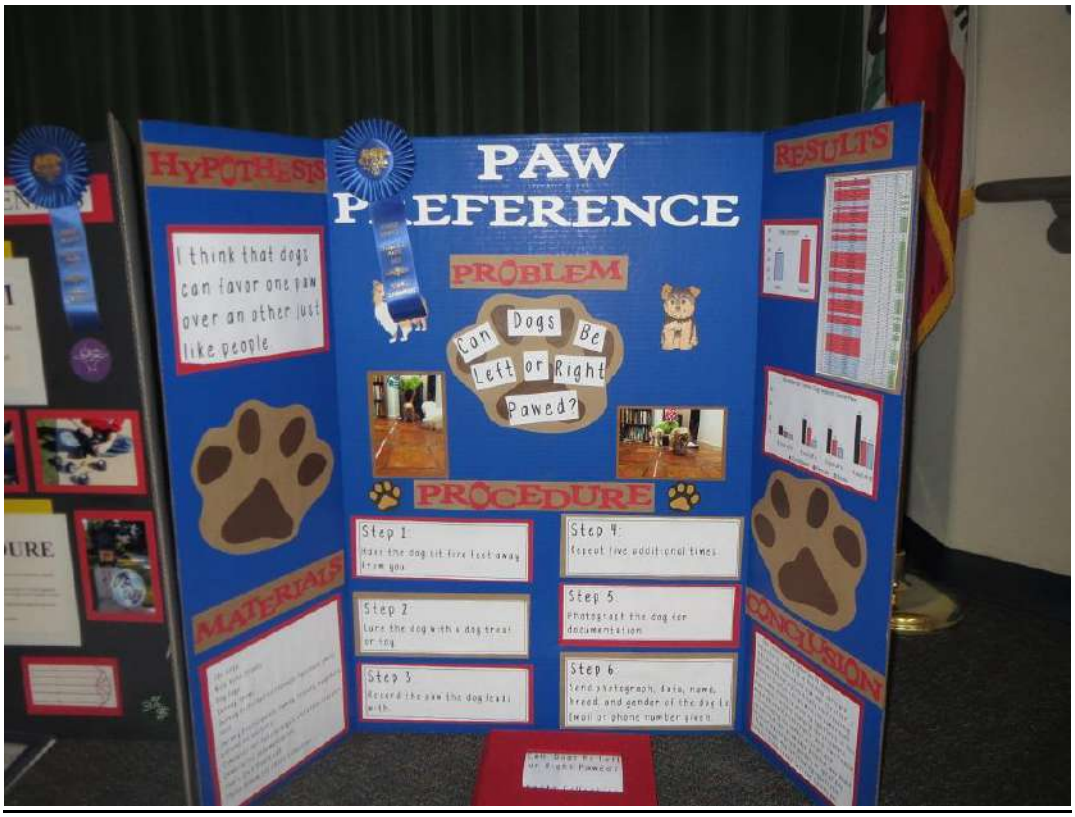
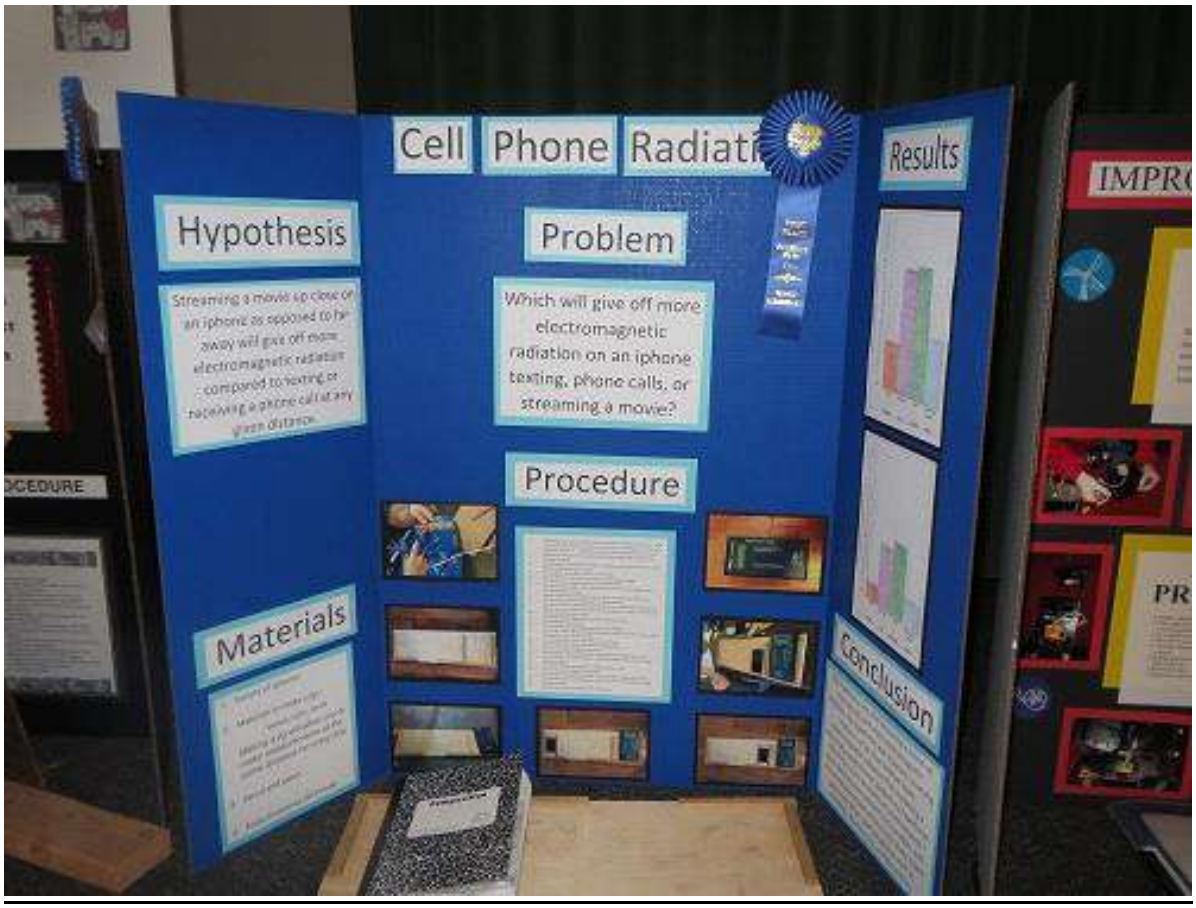
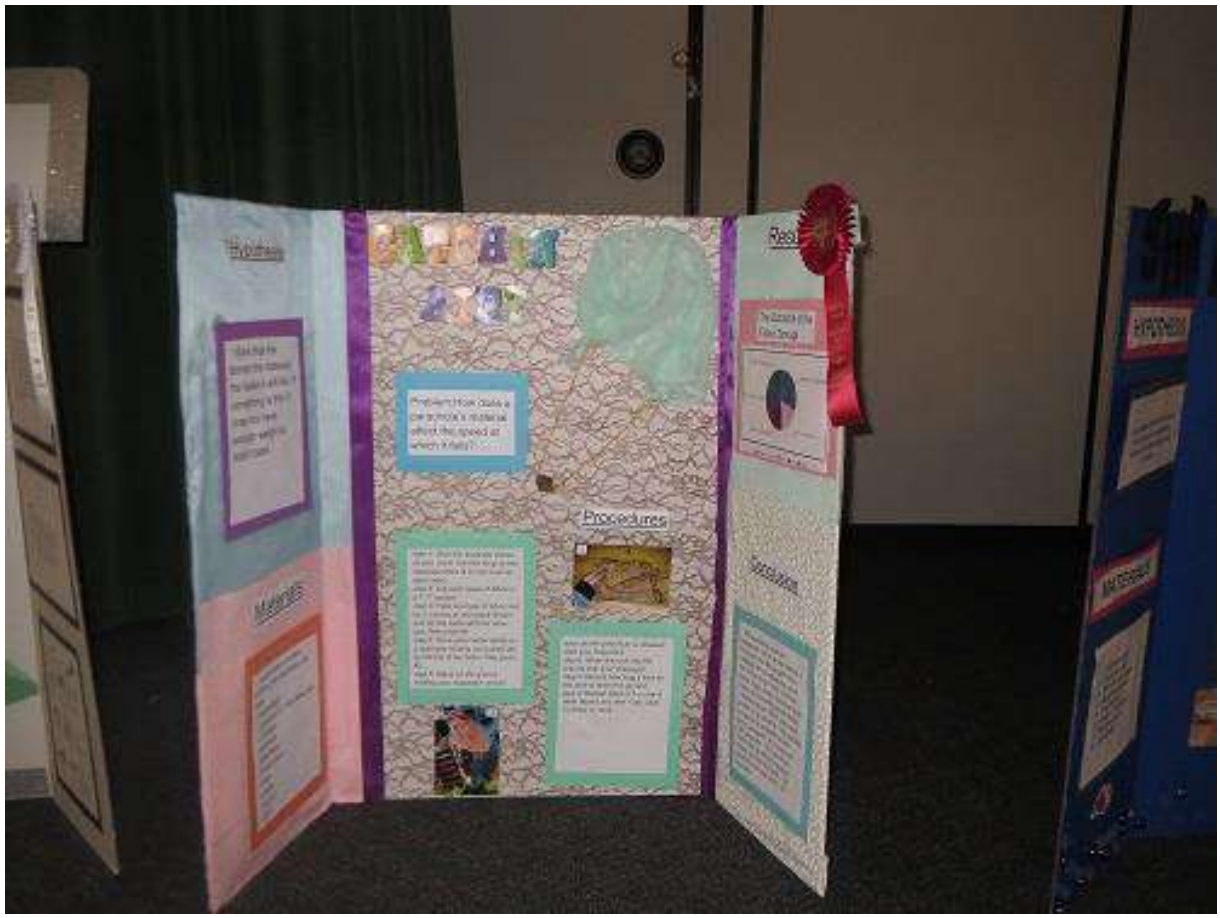
SCIENCE FAIR SAMPLE PROJECT BOARDS

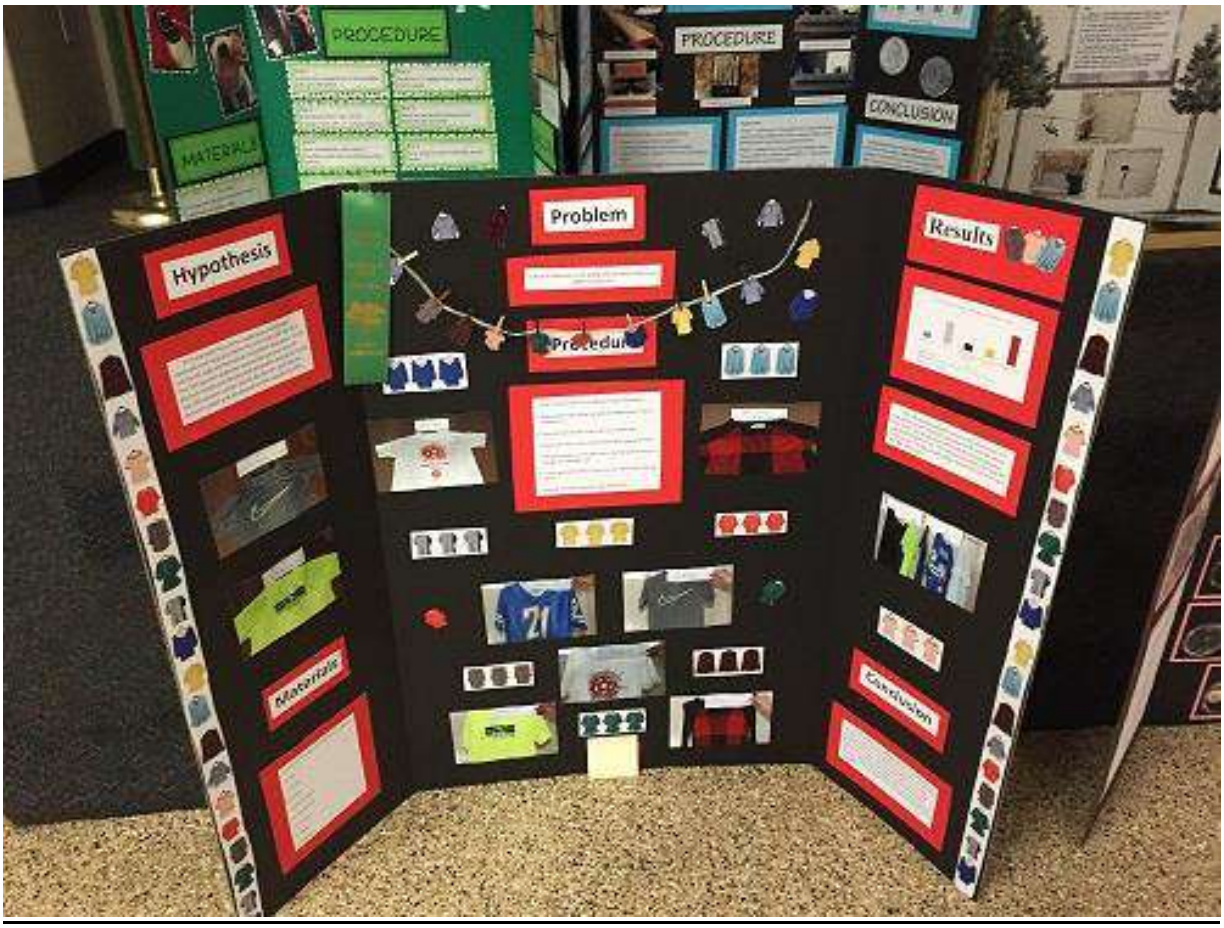


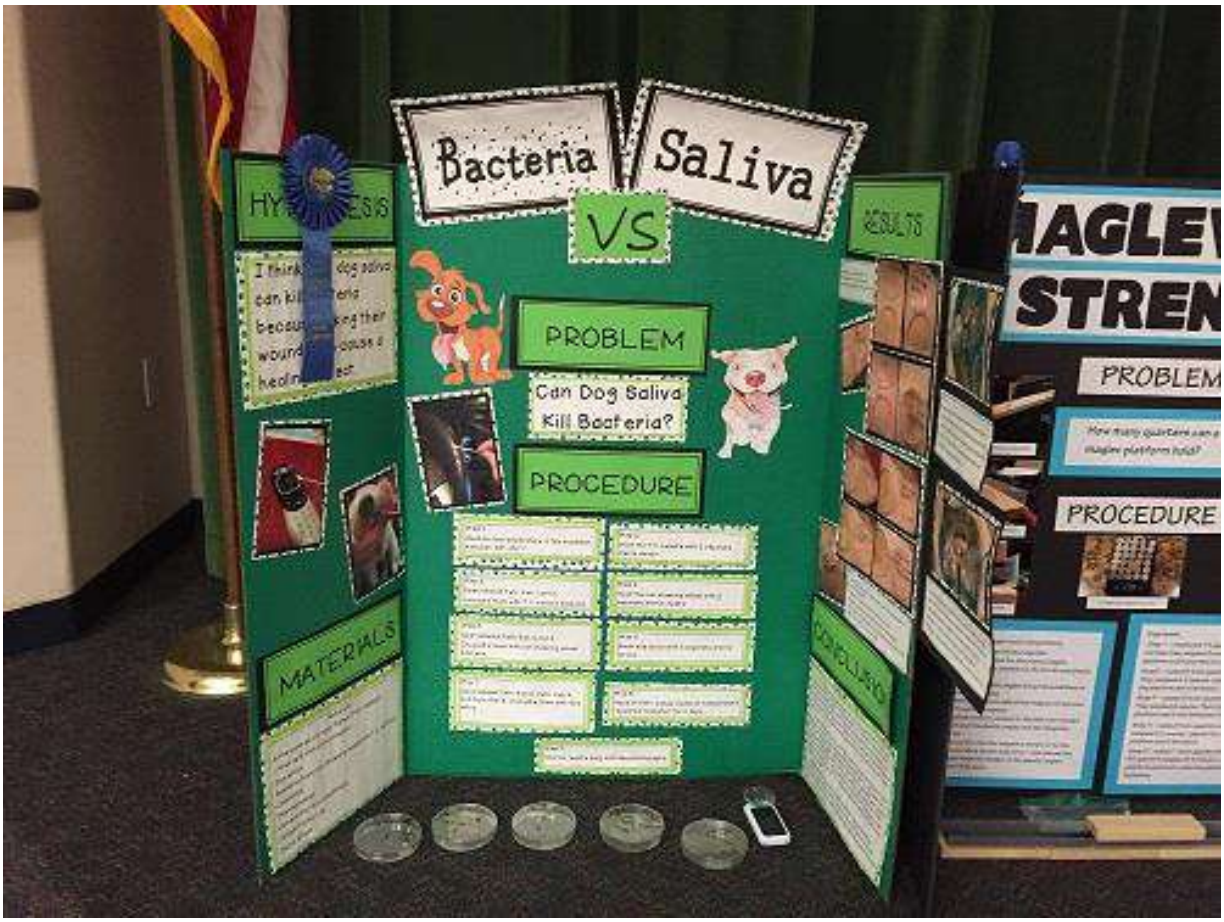

Cell Phone Radiati
Hypothesis
Problem
Which will give off more electromagnetic radiation on an iphone texting, phone calls, or streaming a movie?
Procedure
Materials
Conclusion
Results


PROJECT PROJECTILE
HYPOTHESIS
How does the flight deck height of a catapult effect the launch distance of a projectile?
RESULTS
PROCEDURE
MATERIALS
CONCLUSION

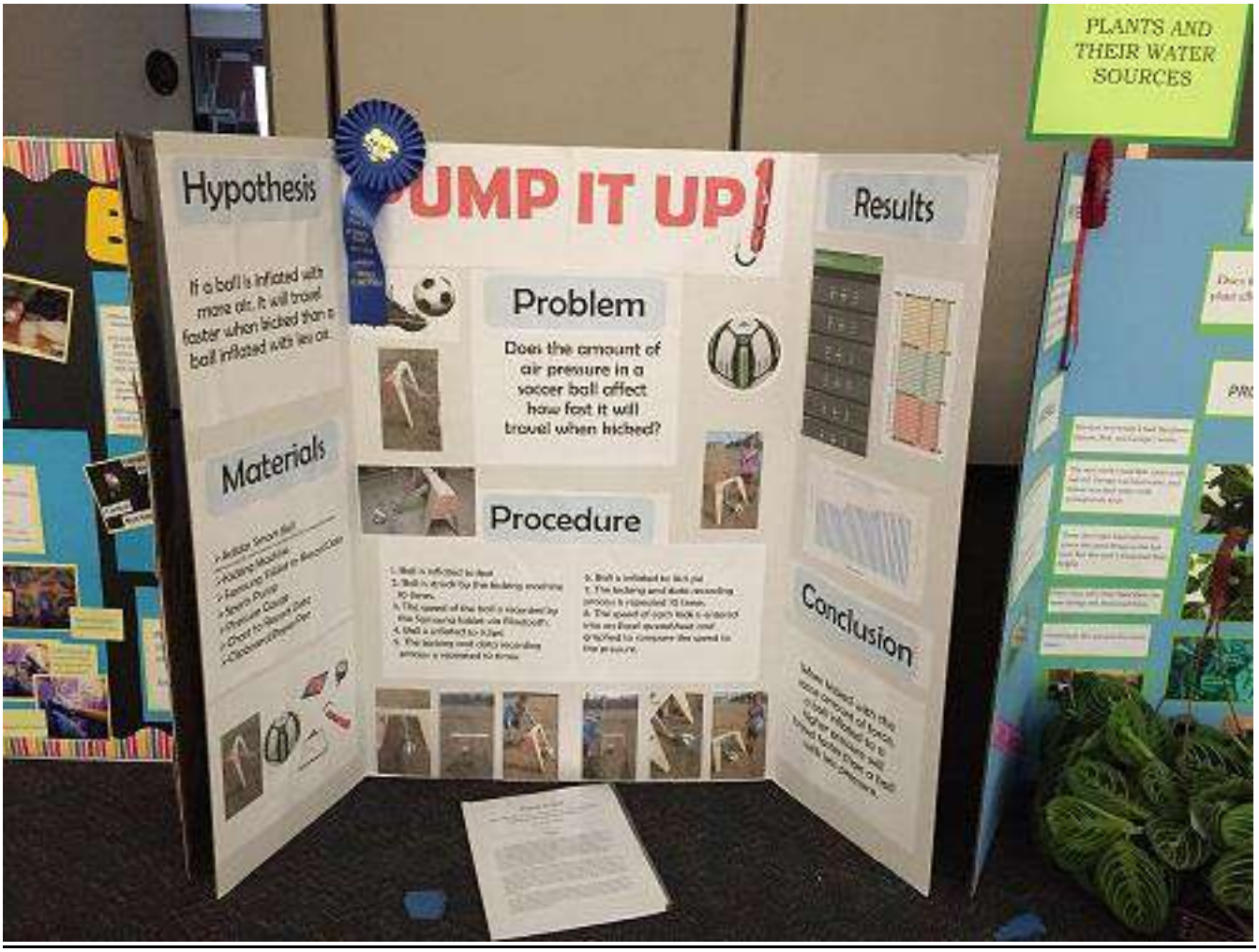

HYPOTHESIS
PROBLEM
RESULTS
MATERIALS
PROCEDURE
CONCLUSION


Hypothesis
Procedures
Materials


PROCEDURE
PROCEDURE
CONCLUSION
Problem
Hypothesis
Results
Materials
Conclusion


Bacteria
Saliva
VS
PROBLEM
Can Dog Saliva Kill Bacteria?
PROCEDURE
MATERIALS
RESULTS
PROBLEM
PROCEDURE

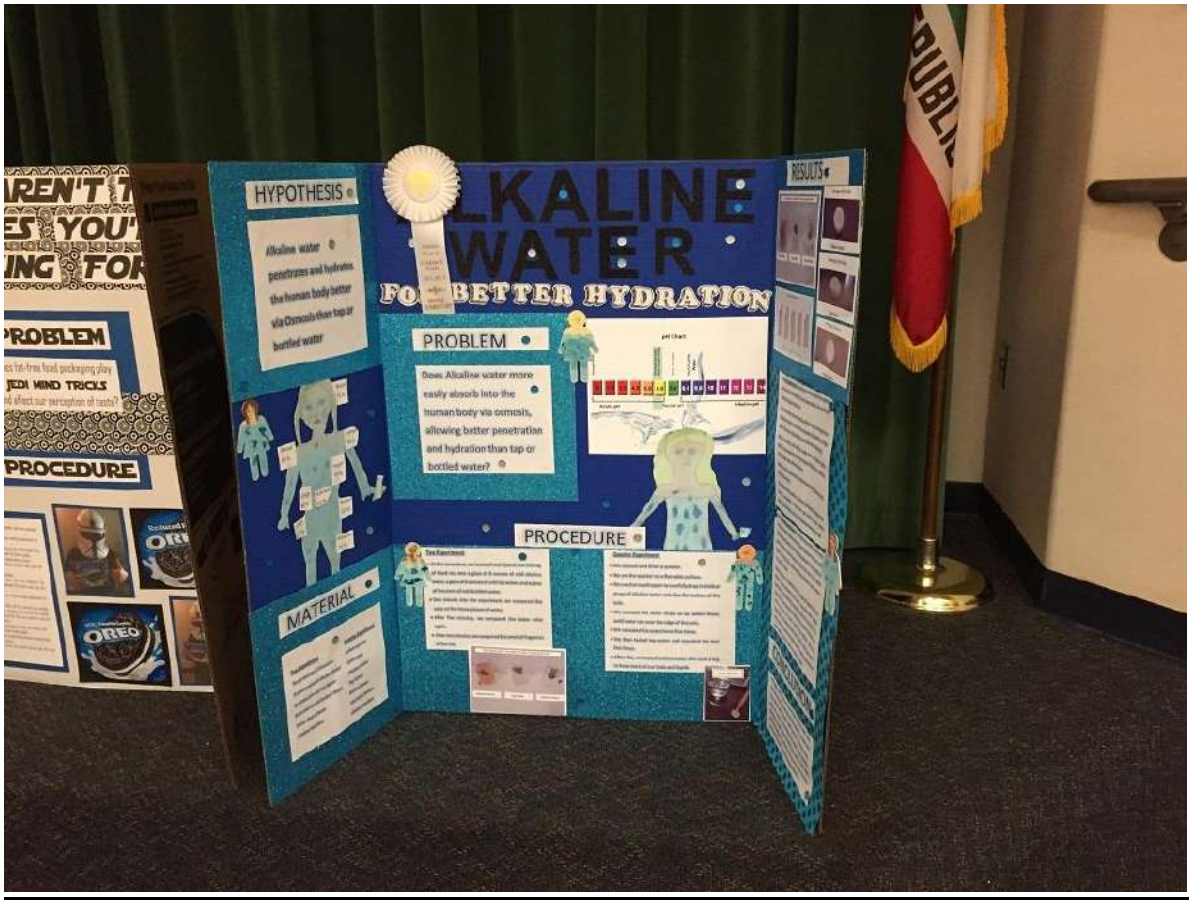

ZIP, ZIP, AND AWAY
HYPOTHESIS
I hypothesize that the minimum slope to propel a figure across a zip line will be -0.6.
PROBLEM
What is the minimum slope of a zip line needed to propel a Lego minifigure across the length of the wire?
RESULTS
PROCEDURE
MATERIALS
CONCLUSION

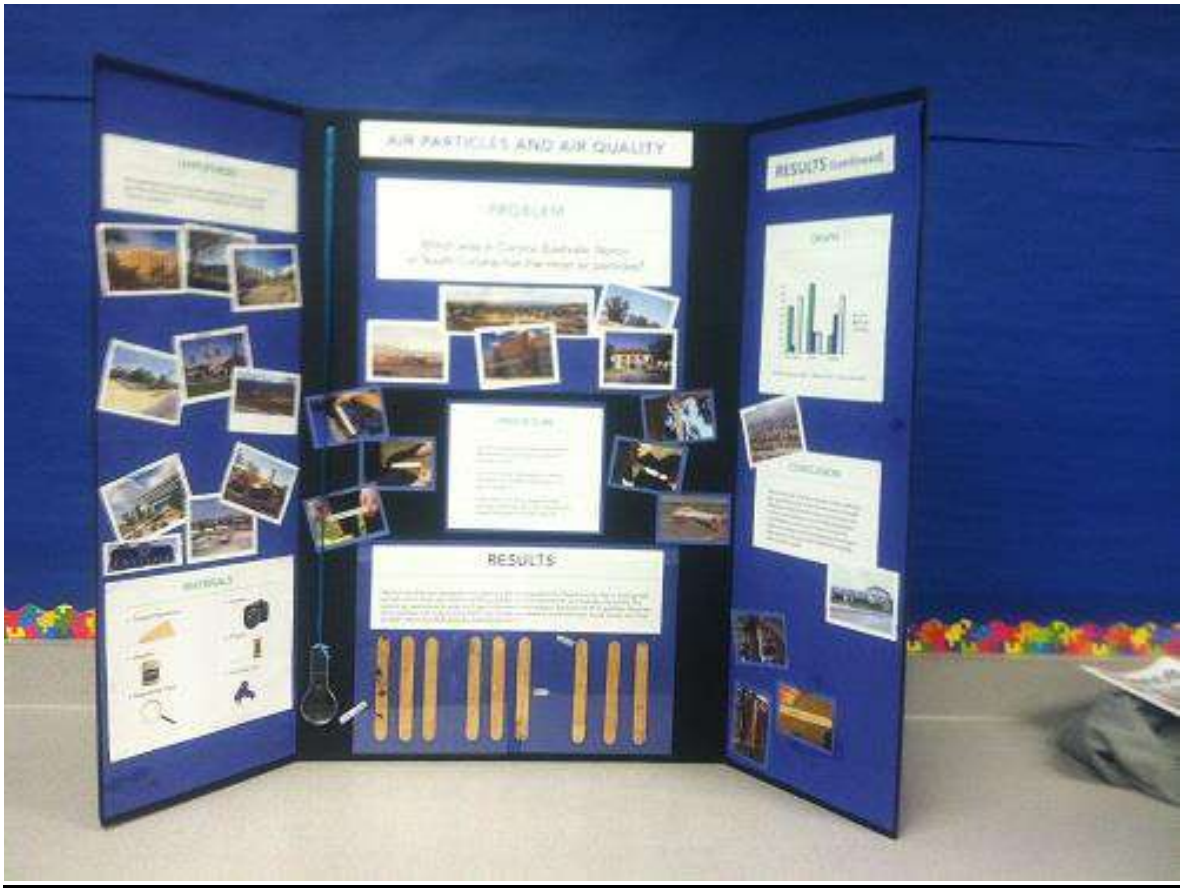

PLANTS AND THEIR WATER SOURCES
Hypothesis
If a ball is inflated with more air, it will travel faster when kicked than a ball inflated with less air.
UMP IT UP!
Problem
Does the amount of air pressure in a soccer ball affect how fast it will travel when kicked?
Results
Materials
Procedure
Conclusion

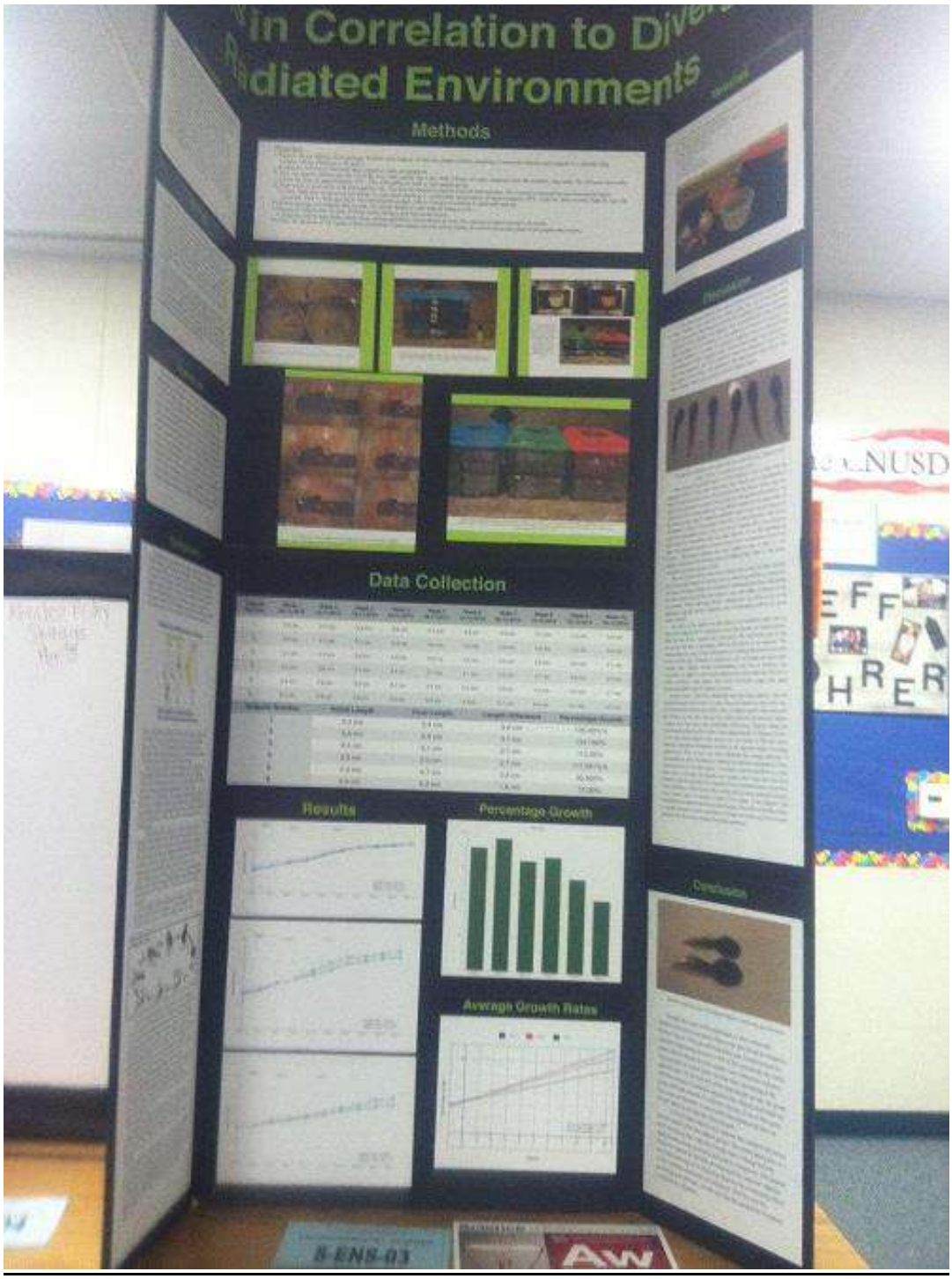

PLANTS AND THEIR WATER SOURCES
DOES IT MAKE A DIFFERENCE?
HYPOTHESIS
PROBLEM
RESULTS
MATERIALS
PROCEDURE
CONCLUSION
TEST
PROCEDURE

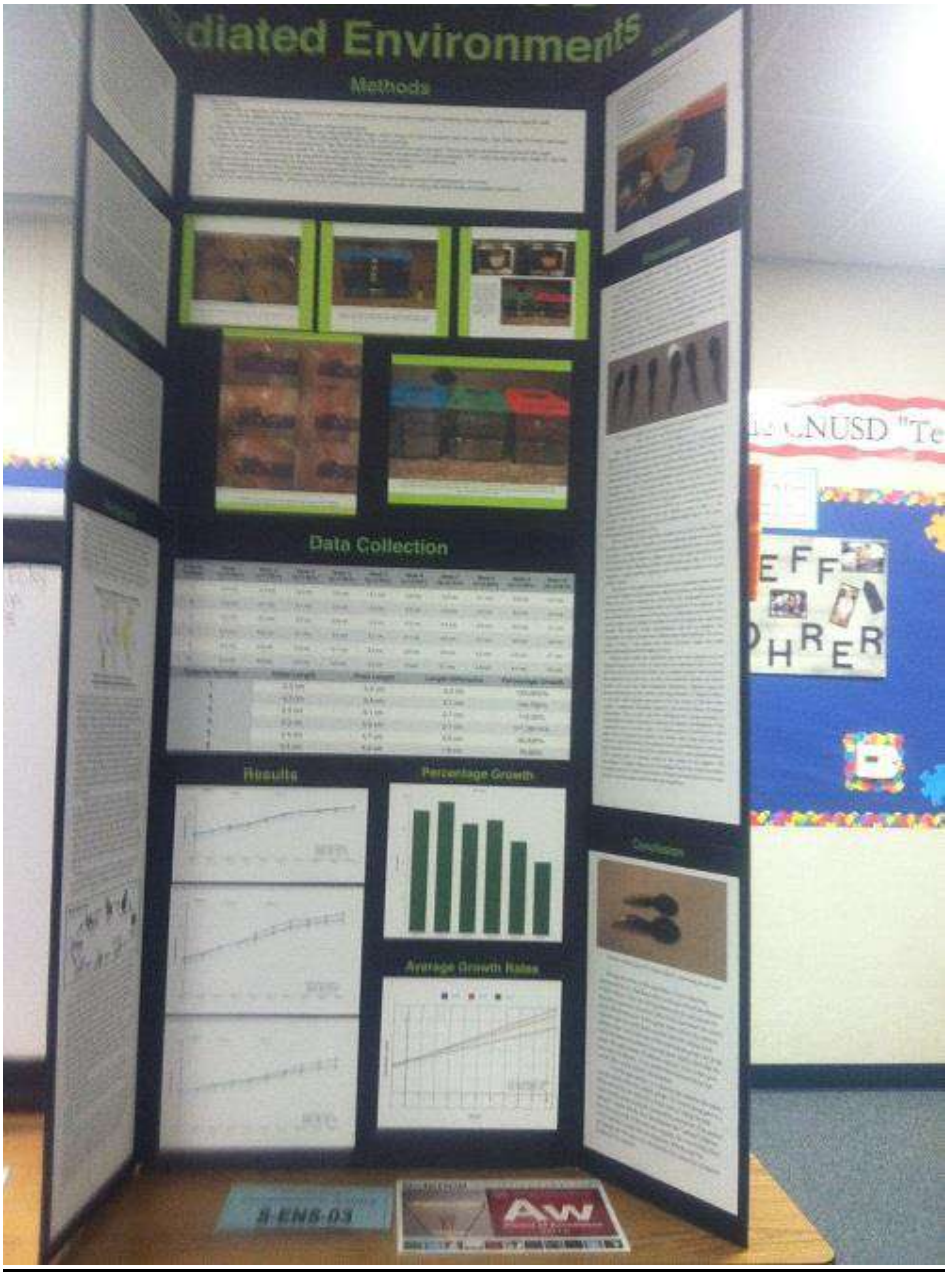

HYPOTHESIS
TEST
RESULTS
PROBLEM
Are heavier woods stronger than lighter woods?
PROCEDURE
MATERIALS
CONCLUSION
COOKIES
LOOKING
PROCEDUR
OREO


BREAK
PROBLEM
HYPOTHESIS
MATERIALS
ESE AREN'T THE
COOKIES YOU'RE
LOOKING FOR
PROBLEM
JEDI MIND TRICKS
PROCEDURE
RESULTS
CONCLUSION
OREO
OREO
PROBLEM

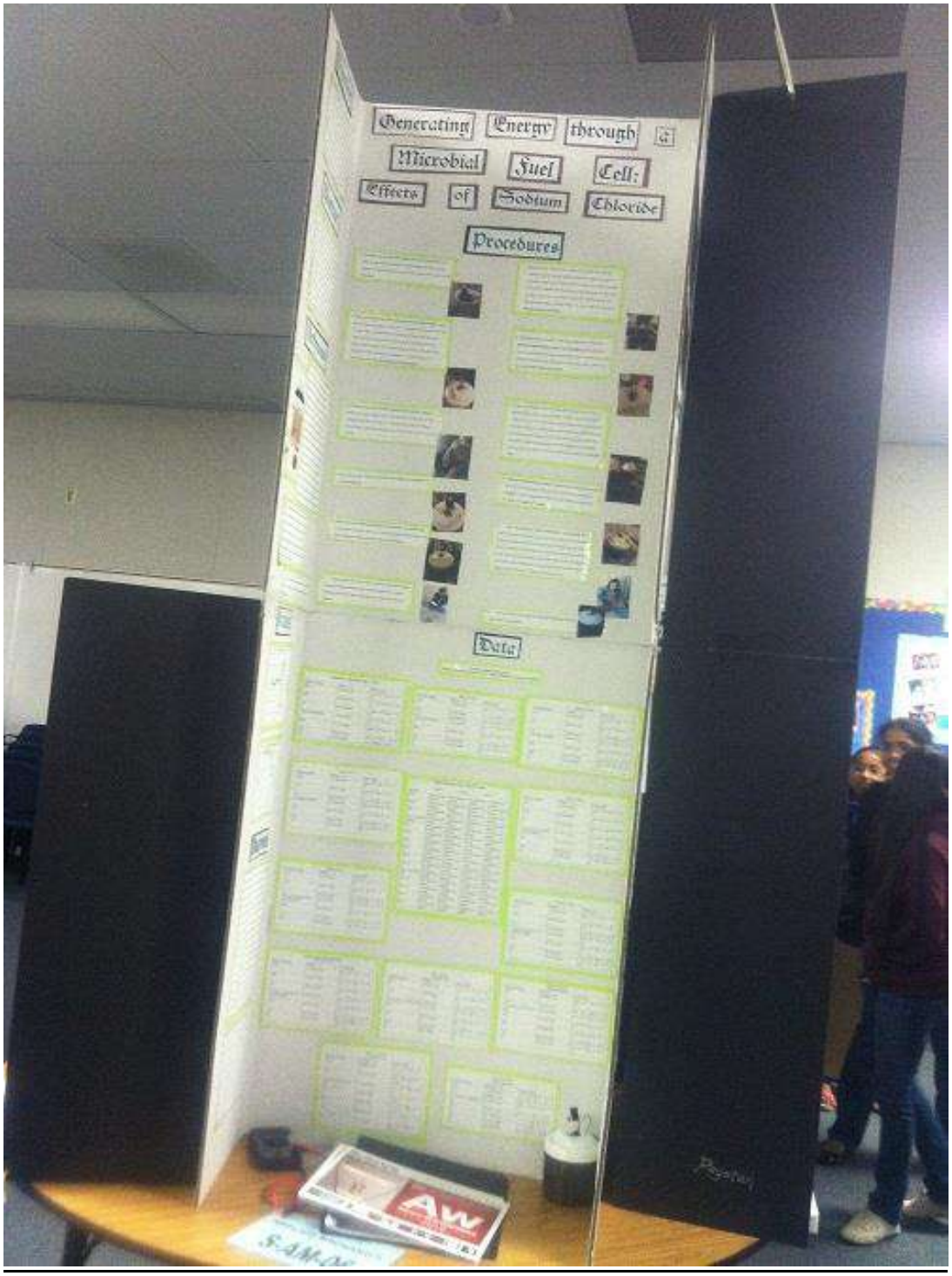

HYPOTHESIS
Alkaline water penetrates and hydrates the human body better via Osmosis than tap or bottled water
LKALINE
WATER
FO BETTER HYDRATION
PROBLEM
Does Alkaline water more easily absorb into the human body via osmosis, allowing better penetration and hydration than tap or bottled water?
RESULTS
PROCEDURE
MATERIAL
PROBLEM
JEDI MIND TRICKS
PROCEDURE
OREO


AIR PARTICLES AND AIR QUALITY
PROBLEM
RESULTS
RESULTS continued
CONCLUSION


in Correlation to Di
diated Environments
Methods
Data Collection
Results
Percentage Growth
Average Growth Rates
Conclusion
B-ENS-03
AW


diated Environments
Methods
Data Collection
Results
Percentage Growth
Average Growth Rates
Conclusion
3-EN6-03


Procedures
Data


Generating Energy through a Microbial Fuel Cell:
Effects of Sodium Chloride
Procedures
Data


What material keeps a soccer cleat the coolest?
PROBLEM
What material keeps a soccer cleat the coolest?
MATERIALS
Reptile Heating Pad
Heat Lamp
7 soccer cleats
Gel insole
Thermal sock
Thermaflect tape
Emergency Blanket (mylar)
Sports Towel
High Temperature Tape
Control
Infrared Thermometer
Timer
PROCEDURE
RESULTS
HYPOTHESIS
I think that the Sports Towel will keep the cleat the coolest
DATA
CONCLUSION
Goooooooool!
Science


PROBLEM
What material keeps a soccer cleat the coolest?
MATERIALS
Reptile Heating Pad
Heat Lamp
7 soccer cleats
Gel insole
Thermal sock
Thermaflect tape
Emergency Blanket (mylar)
Sports Towel
High Temperature Tape
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Infrared Thermometer
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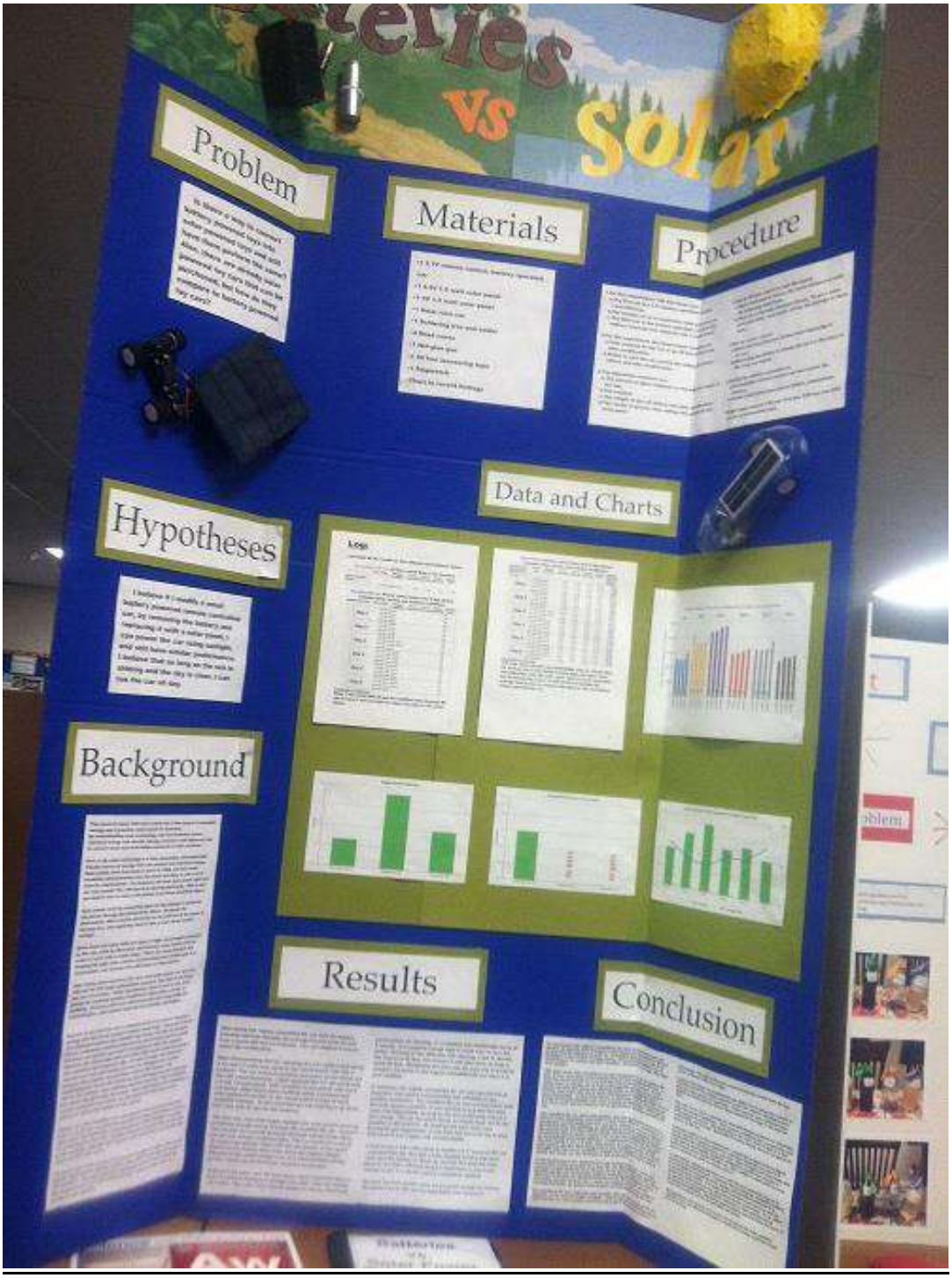
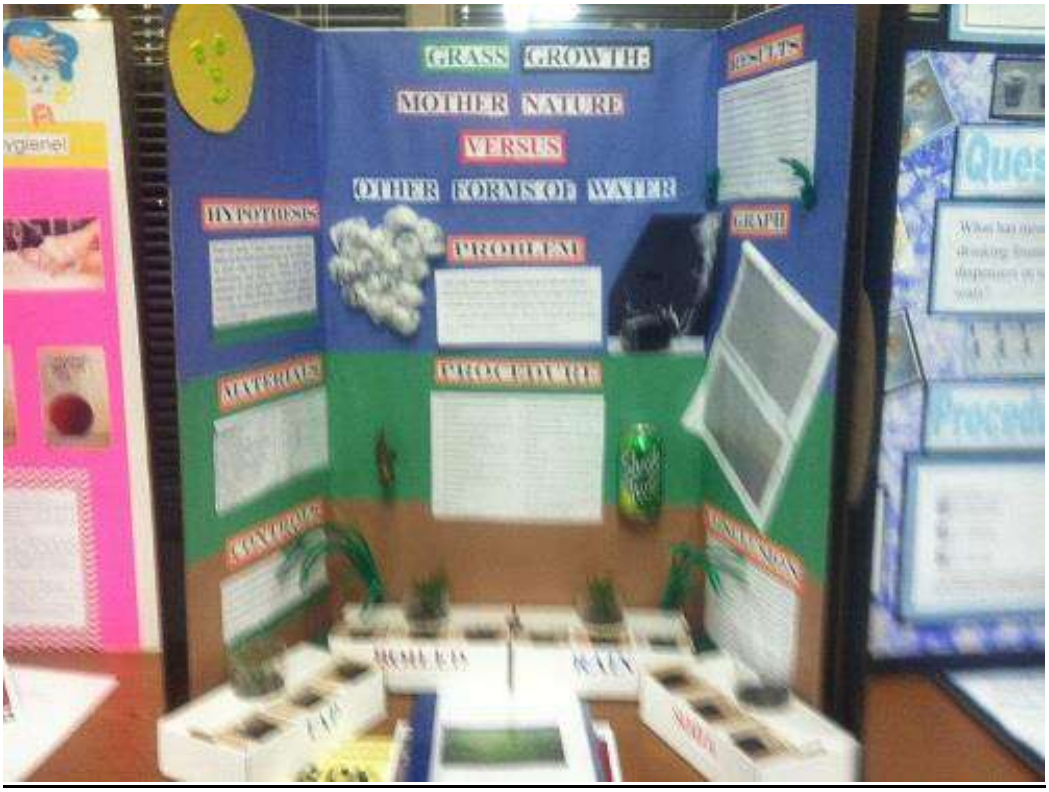
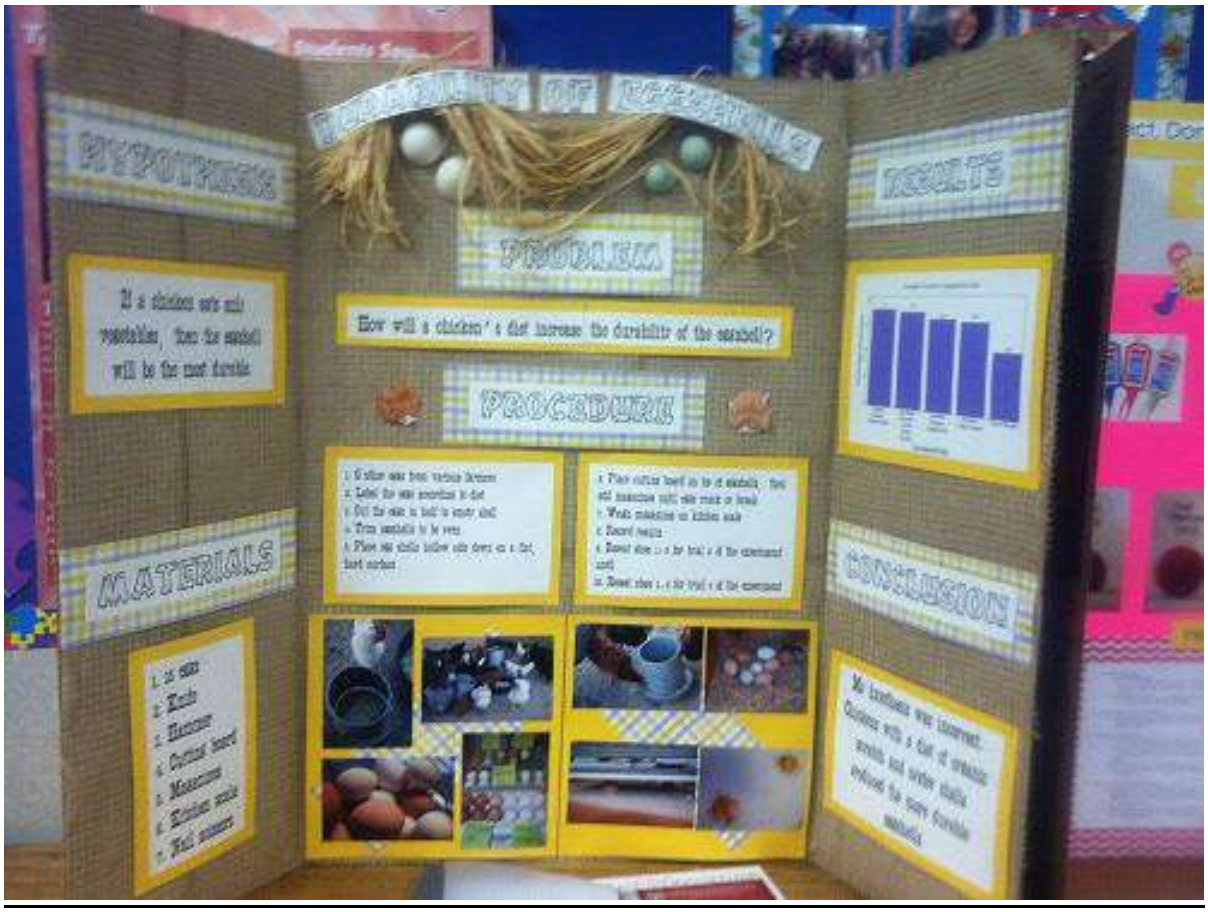
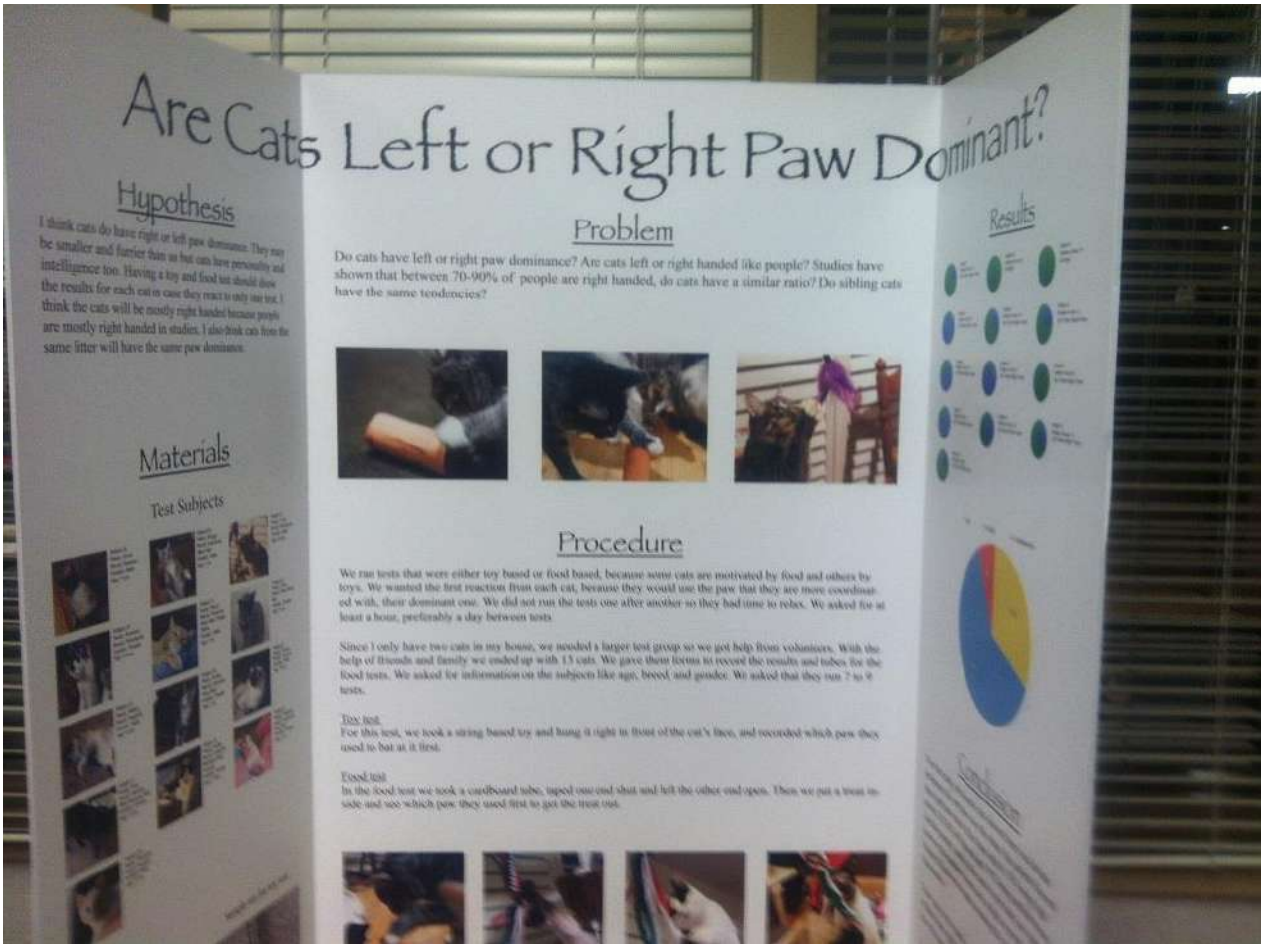
PROCEDURE
RESULTS
HYPOTHESIS
I think that the Sports Towel will keep the cleat the coolest
DATA
CONCLUSION
Goooooooool!

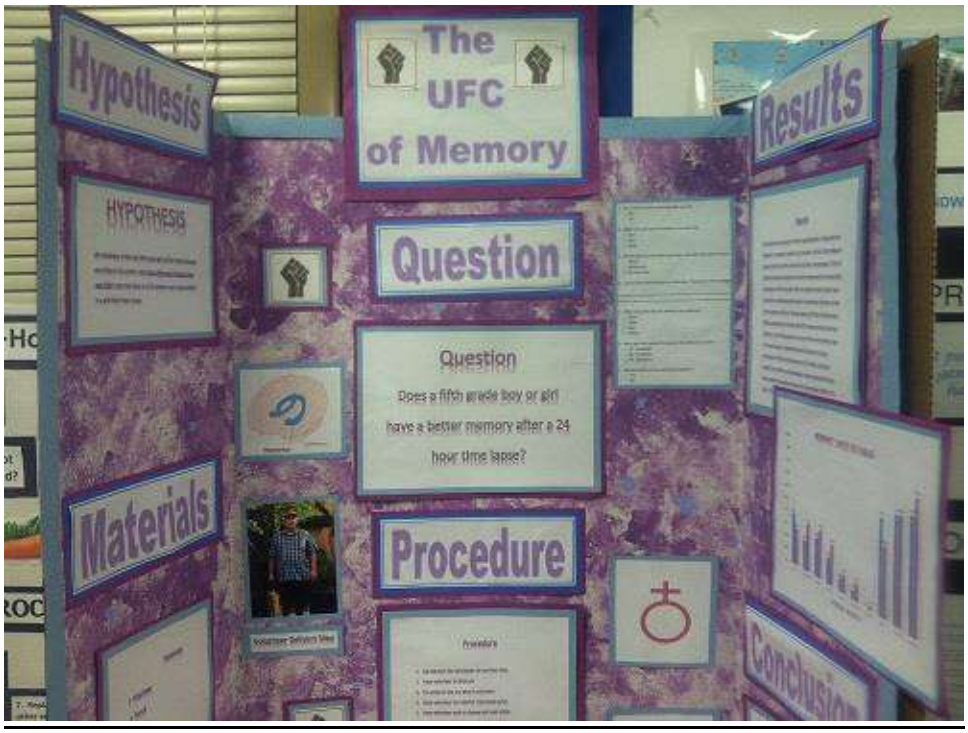

Problem
Materials
Procedure
Hypotheses
Data and Charts
Background
Results
Conclusion

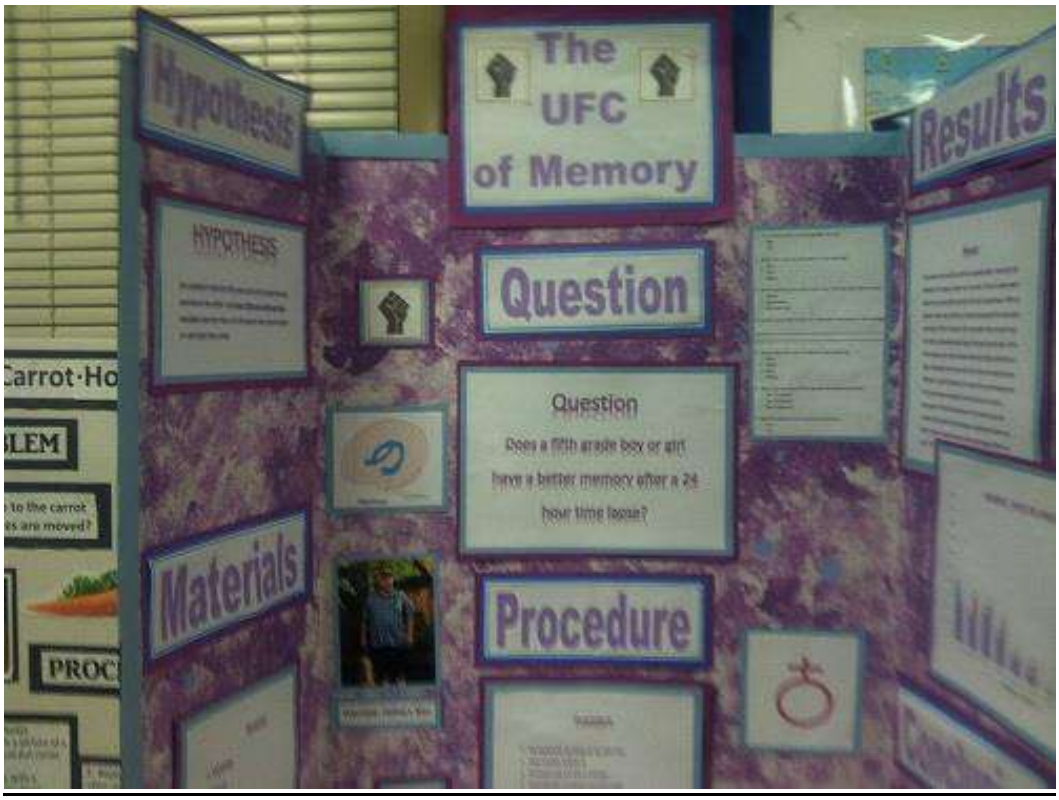

Batteries Vs Solar
Problem
Materials
Procedure
Hypotheses
Data and Charts
Background
Results
Conclusion


GRASS GROWTH
MOTHER NATURE
VERSUS
OTHER FORMS OF WATER
HYPOTHESIS
PROBLEM
MATERIALS
PROCEDURE
GRAPH
CONCLUSION


HYPOTHESIS
PROBLEM
How will a chicken's diet increase the durability of the eggshell?
PROCEDURE
MATERIALS
RESULTS
CONCLUSION


Are Cats Left or Right Paw Dominant?
Hypothesis
I think cats do have right or left paw dominance. They may be smaller and furrier than us but cats have personality and intelligence too. Having a toy and food test should show the results for each cat in case they react to only one test. I think the cats will be mostly right handed because people are mostly right handed in studies. I also think cats from the same litter will have the same paw dominance.
Materials
Test Subjects
Problem
Do cats have left or right paw dominance? Are cats left or right handed like people? Studies have shown that between 70-90% of people are right handed, do cats have a similar ratio? Do sibling cats have the same tendencies?
Procedure
We ran tests that were either toy based or food based, because some cats are motivated by food and others by toys. We wanted the first reaction from each cat, because they would use the paw that they are more coordinated with, their dominant one. We did not run the tests one after another so they had time to relax. We asked for at least a hour, preferably a day between tests.
Since I only have two cats in my house, we needed a larger test group so we got help from volunteers. With the help of friends and family we ended up with 13 cats. We gave them items to record the results and tubes for the food tests. We asked for information on the subjects like age, breed and gender. We asked that they run 7 to 9 tests.
Toy test
For this test, we took a string based toy and hung it right in front of the cat's face, and recorded which paw they used to bat at it first.
Food test
In the food test we took a cardboard tube, taped one end shut and left the other end open. Then we put a treat inside and see which paw they used first to get the treat out.
Results
Conclusion


Hypothesis
HYPOTHESIS
The UFC of Memory
Question
Question
Does a fifth grade boy or girl have a better memory after a 24 hour time lapse?
Materials
Procedure
Results
Conclusion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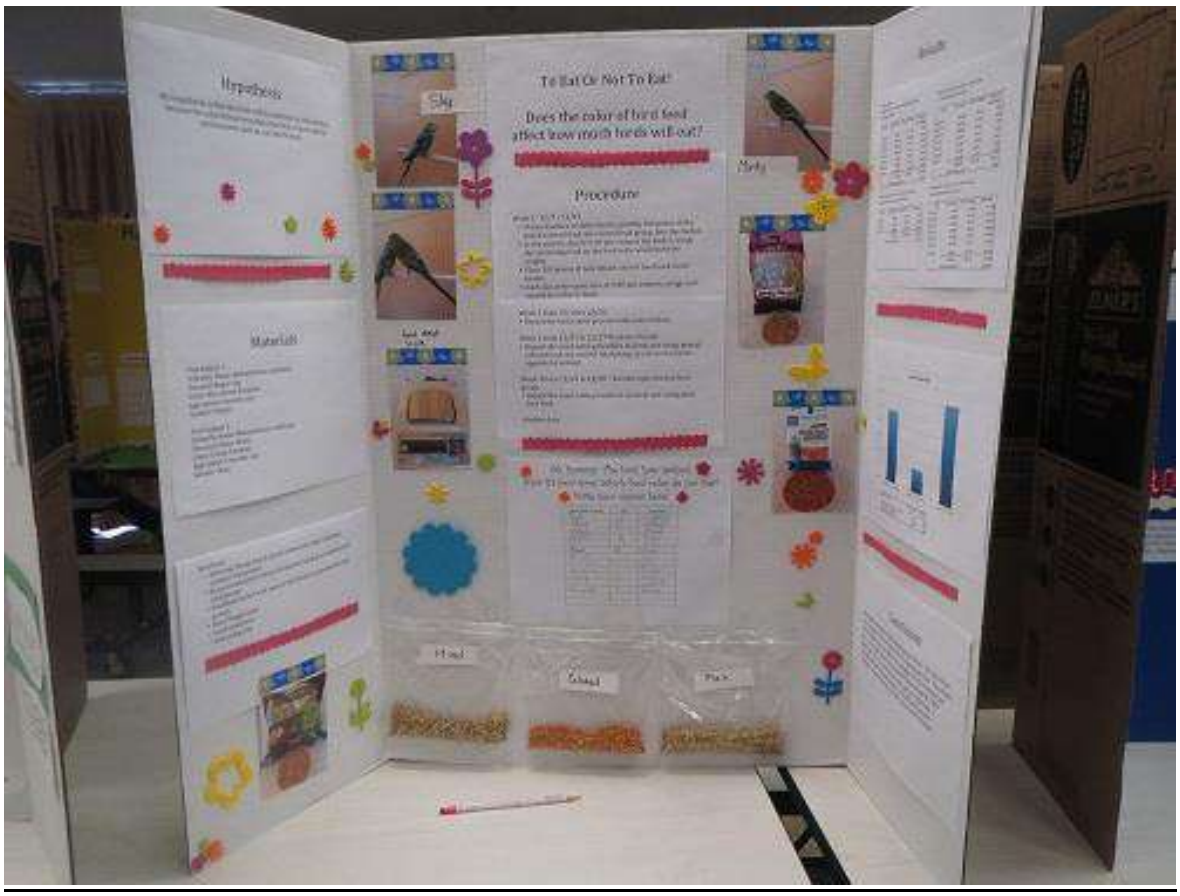
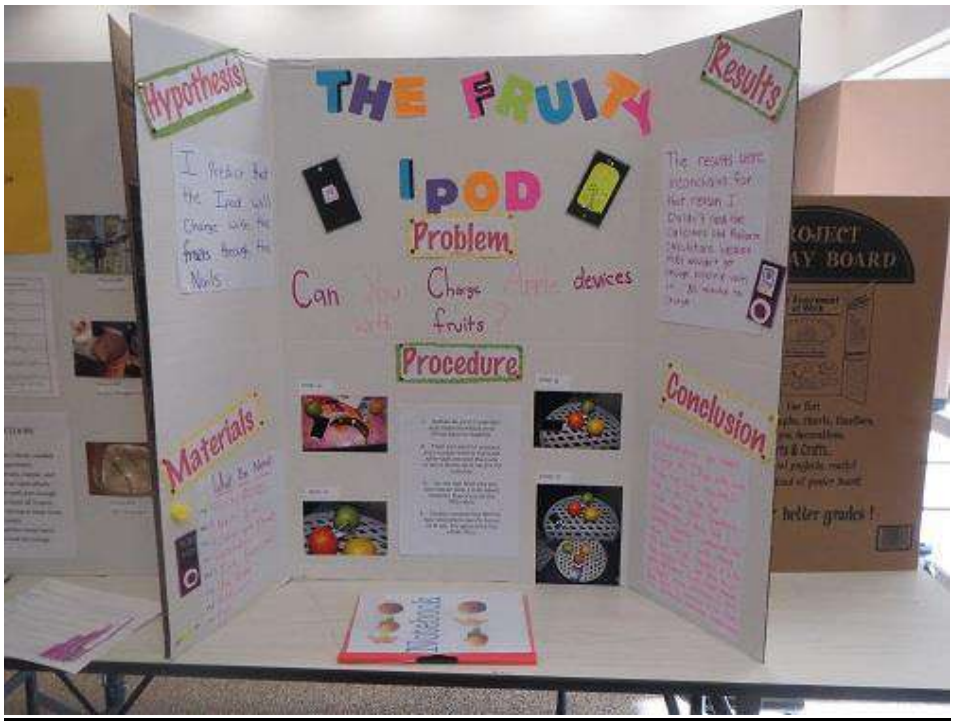
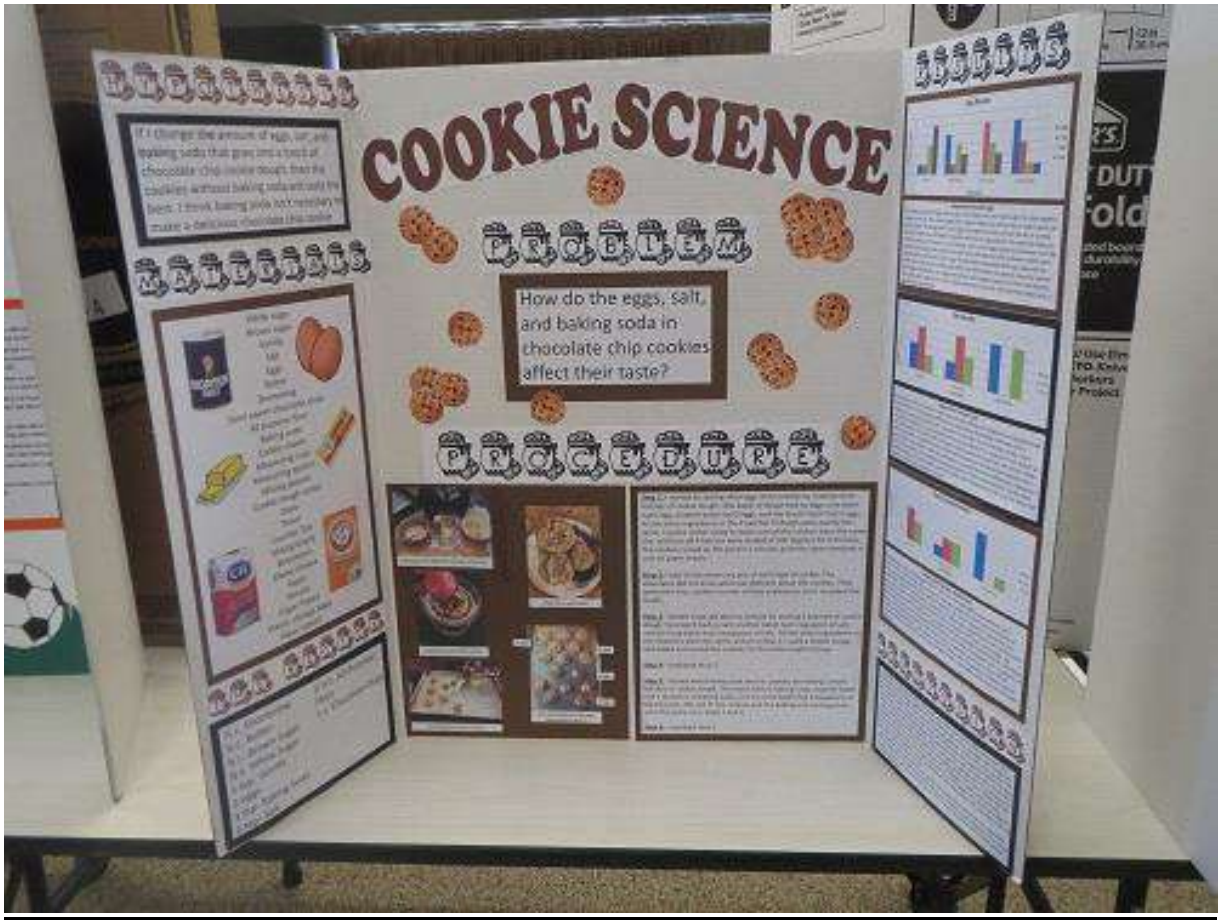
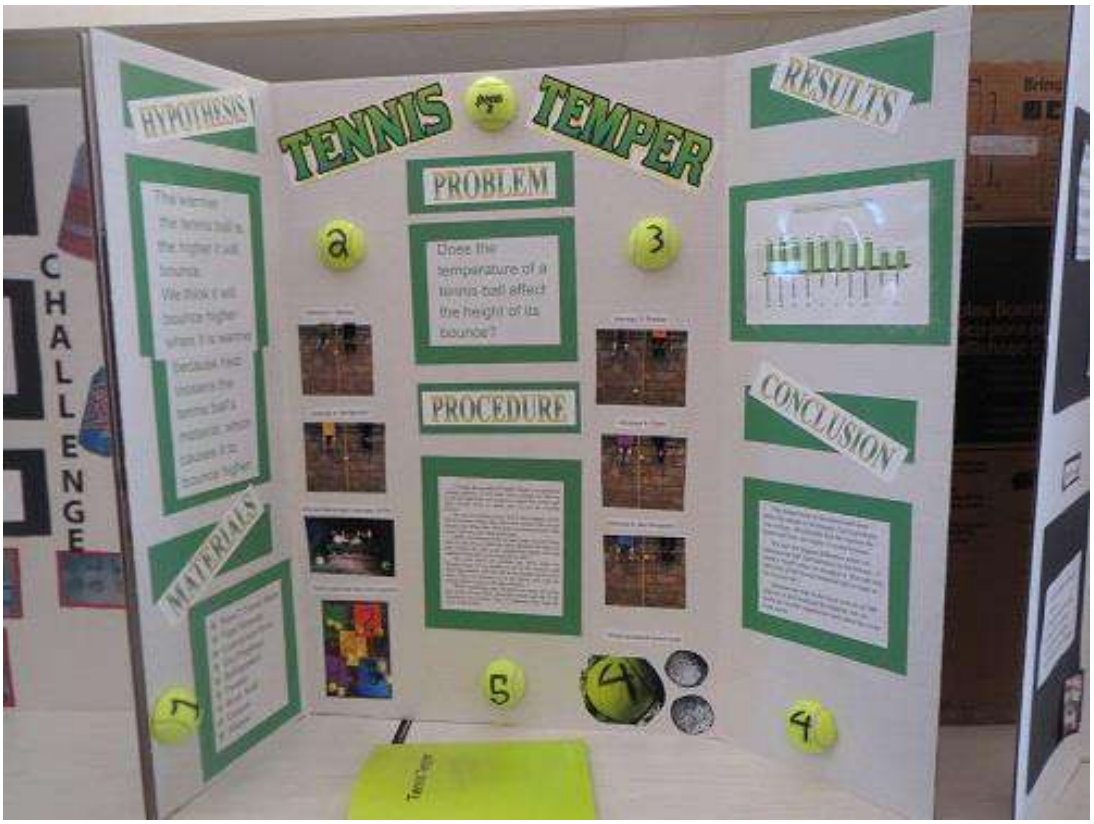
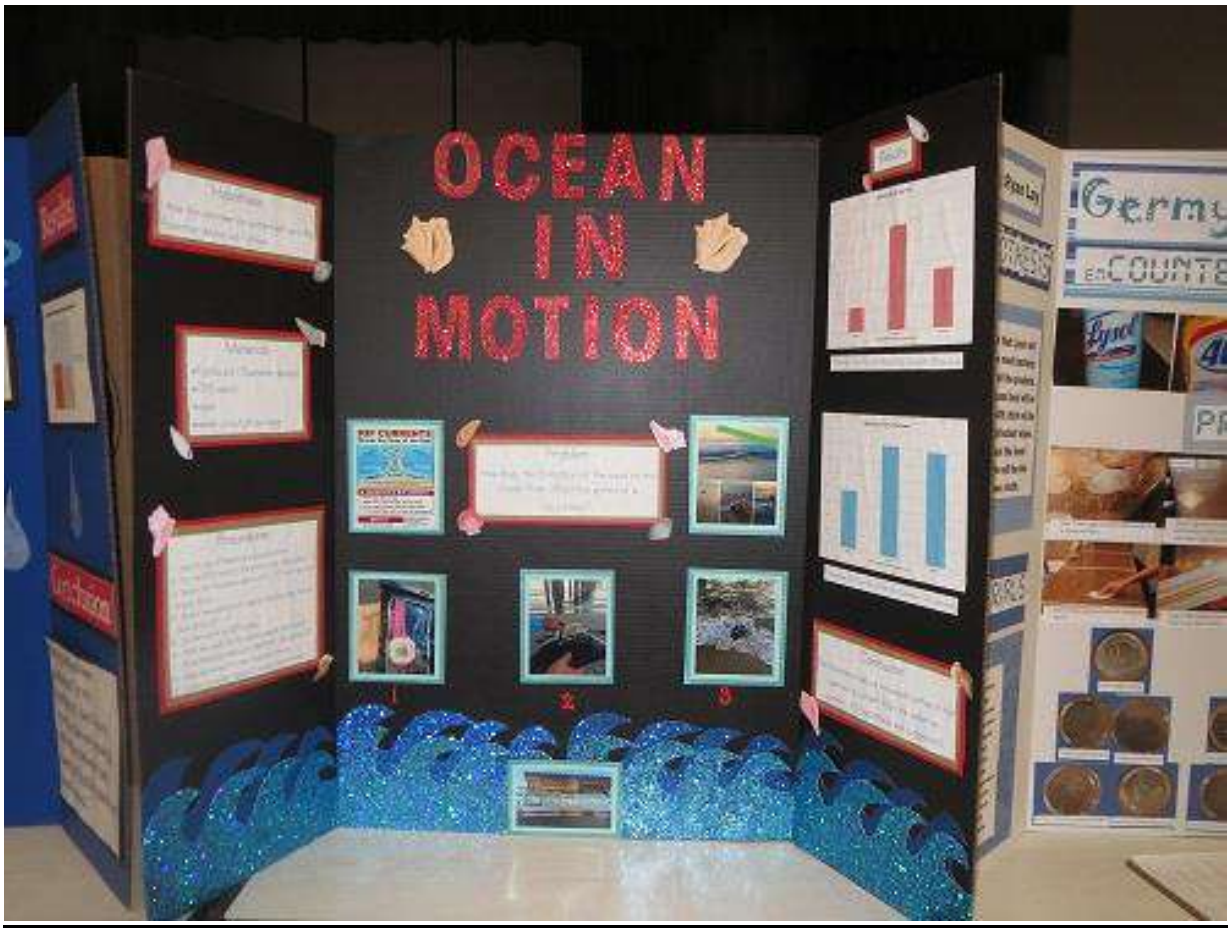

To Eat Or Not To Eat
Does the color of bird food affect how much birds will eat?
Hypothesis
Procedure
Materials

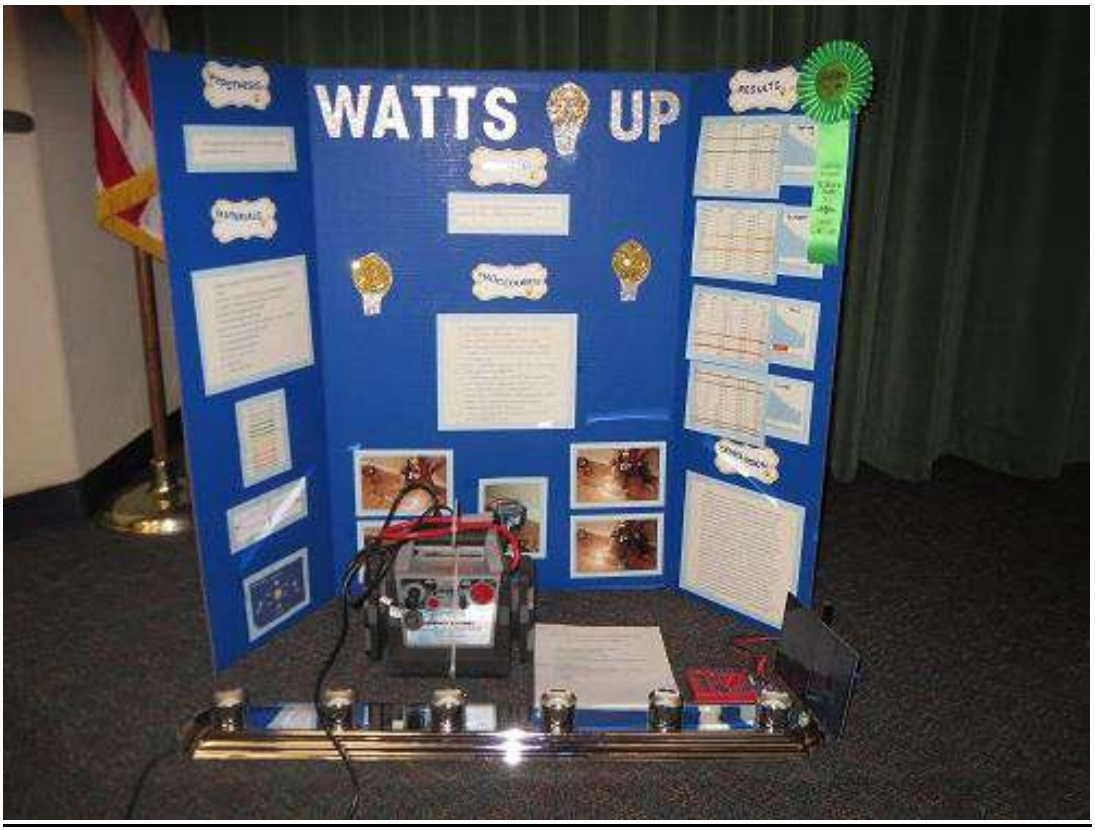

HYPOTHESIS
I think that dogs can favor one paw over an other just like people
PAW PREFERENCE
PROBLEM
Can Dogs Be Left or Right Pawed?
PROCEDURE
MATERIALS
CONCLUSION

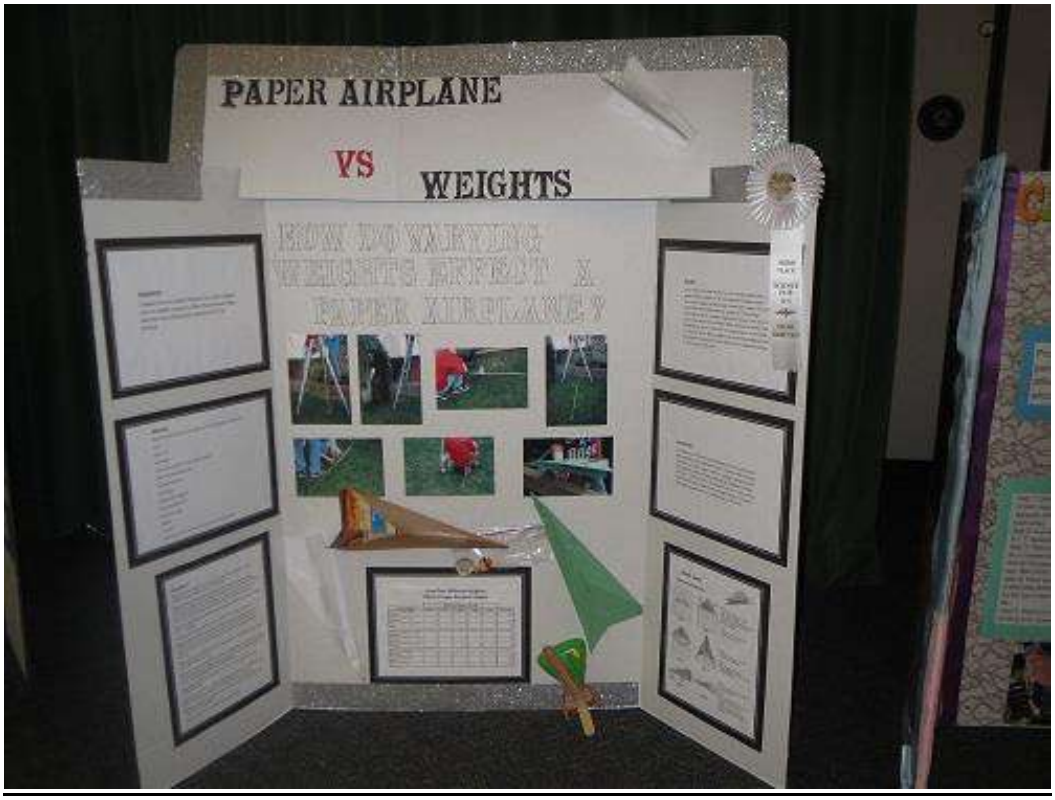

Hypothesis
THE FRUITY
IPOD
Problem
Can Charge fruits devices
Procedure
Materials
Conclusion
Results

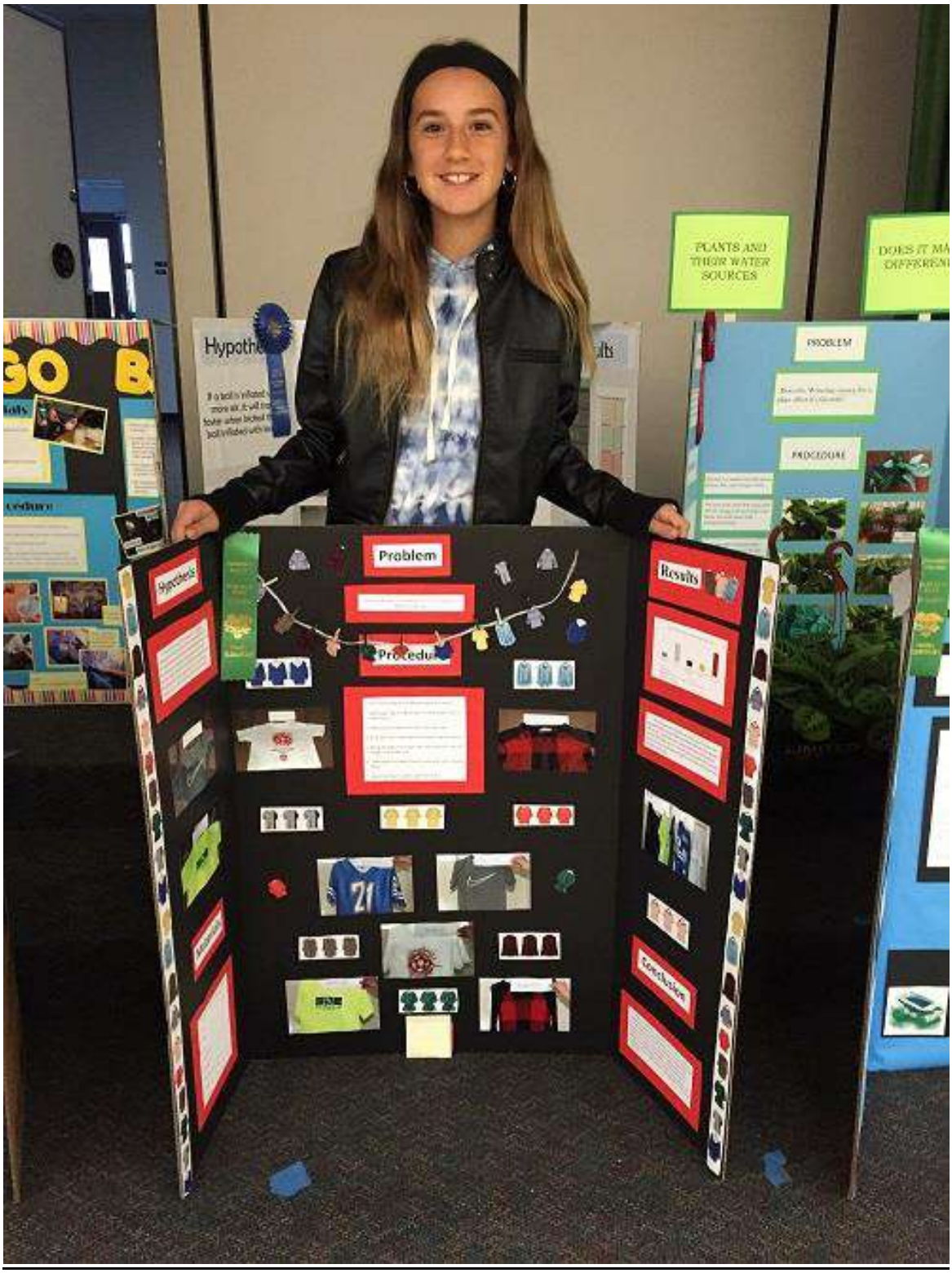

COOKIE SCIENCE
PROBLEM
How do the eggs, salt, and baking soda in chocolate chip cookies affect their taste?
PROCEDURE

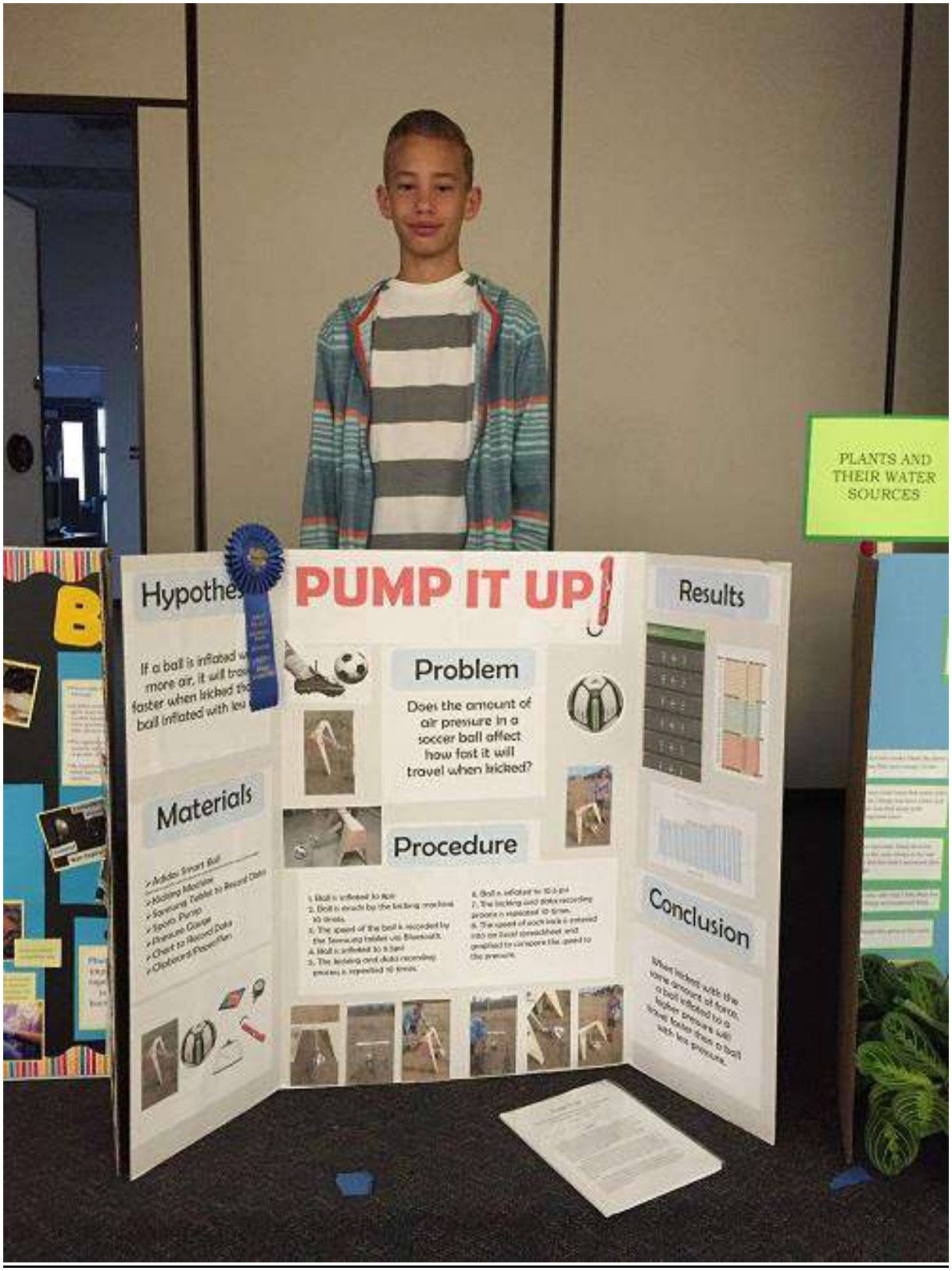

HYPOTHESIS
TENNIS TEMPER
RESULTS
PROBLEM
Does the temperature of a tennis ball affect the height of its bounce?
CHALLENGE
PROCEDURE
CONCLUSION
MATERIALS

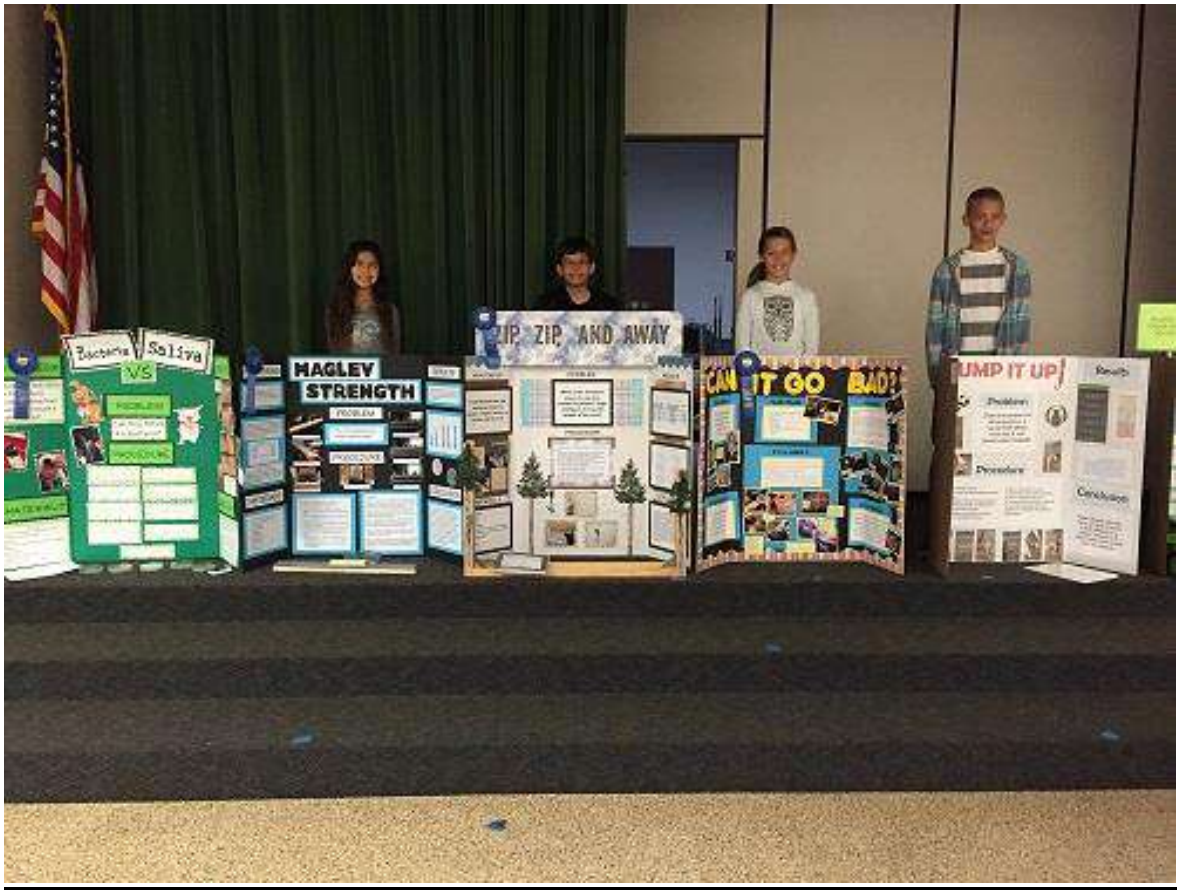

OCEAN
IN
MOTION


WATTS UP

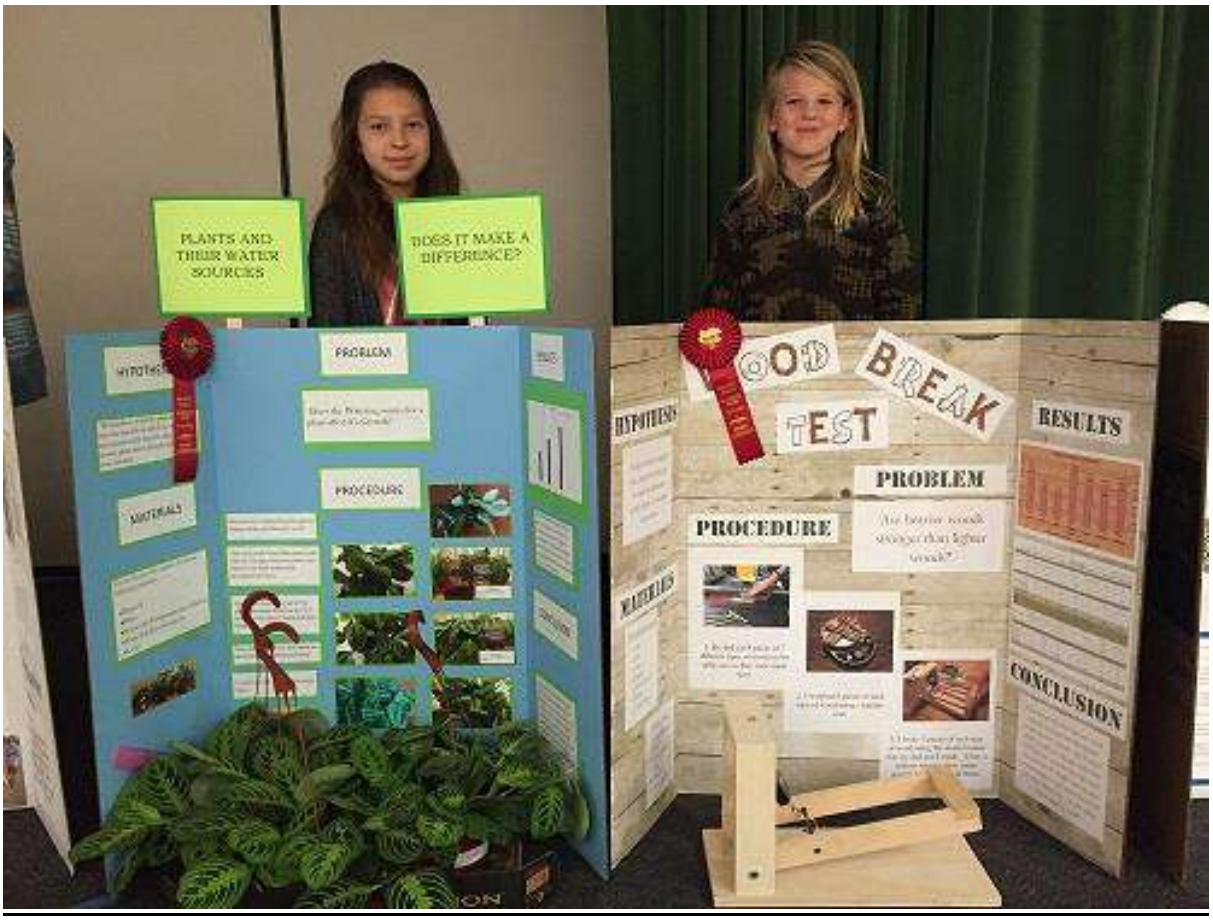

PAPER AIRPLANE
VS
WEIGHTS

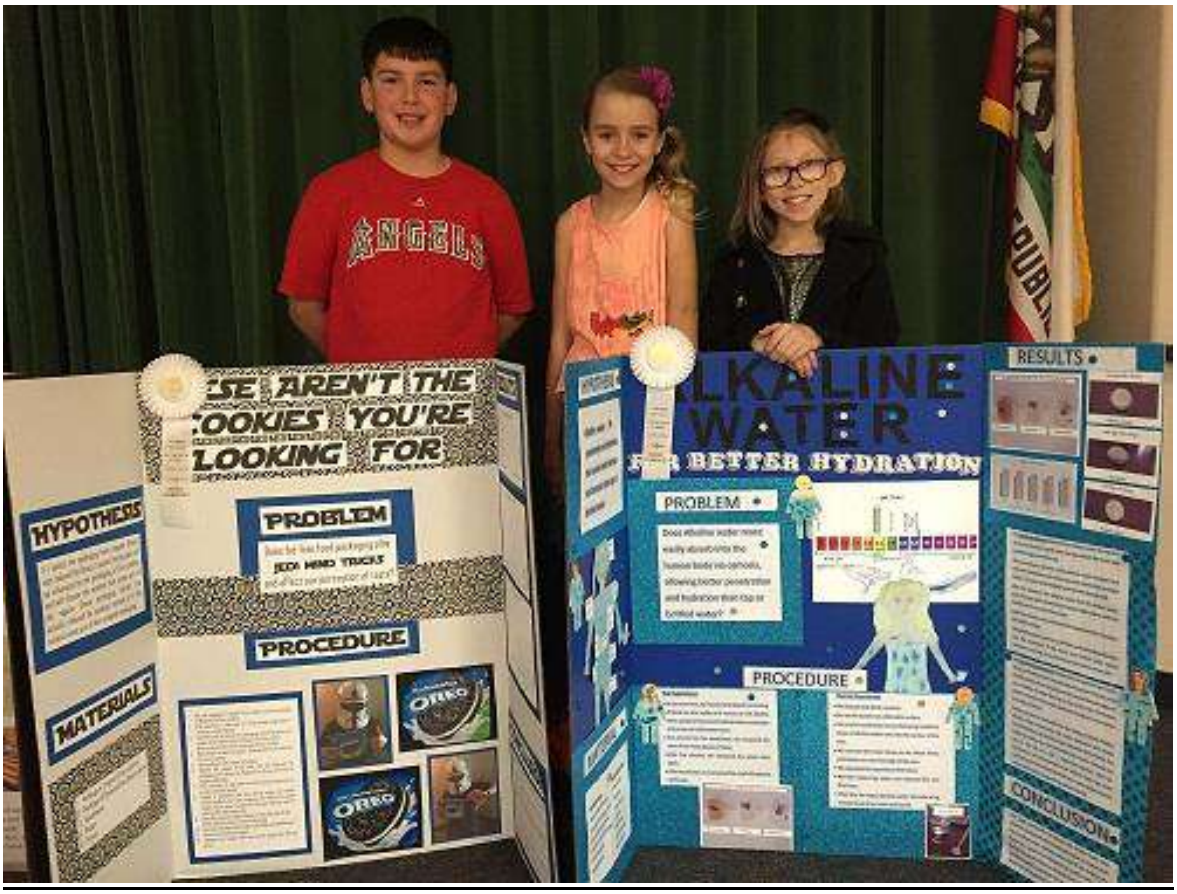

PLANTS AND THEIR WATER SOURCES
PROBLEM
PROCEDURE
Problem
Results

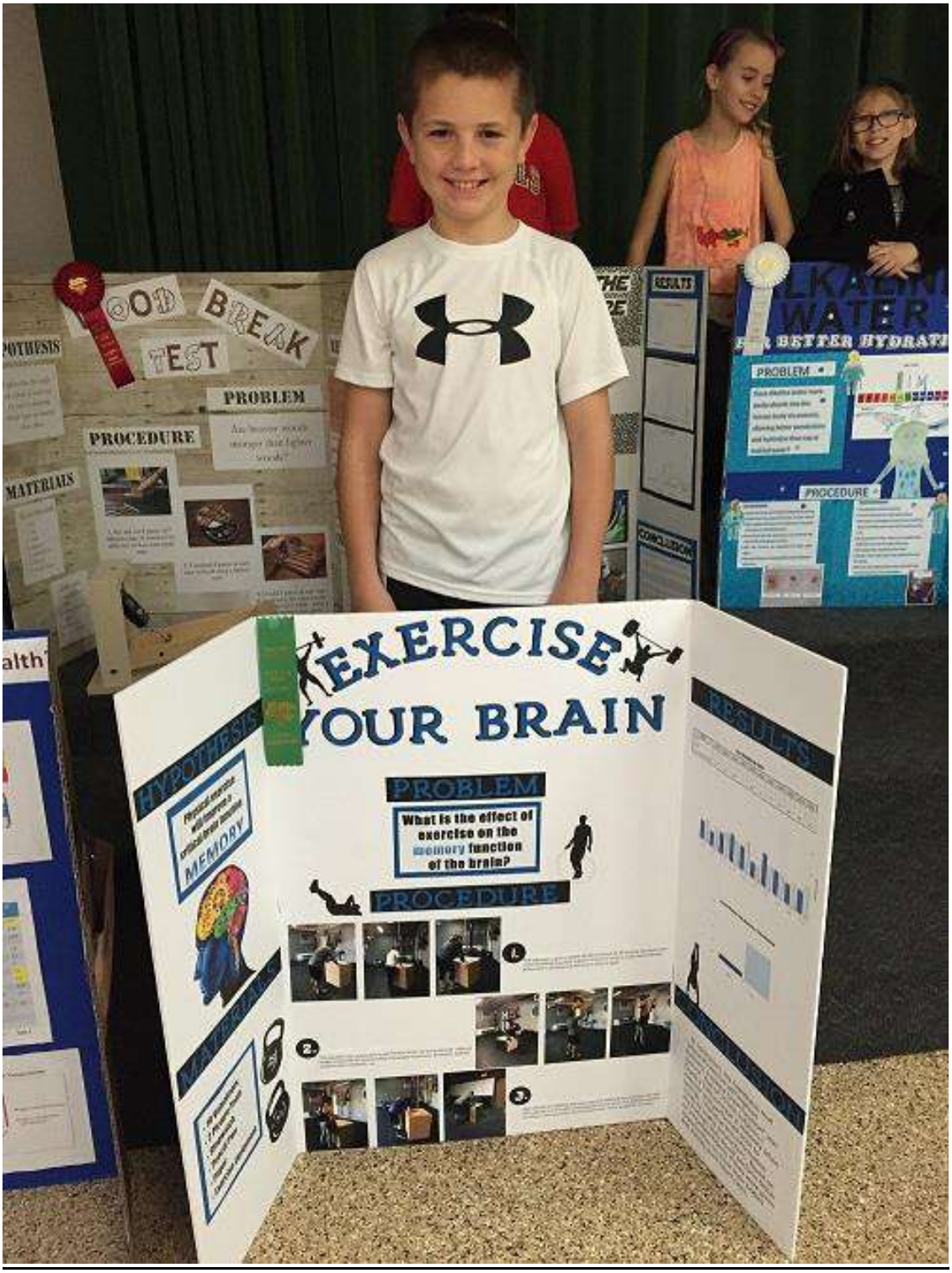

PLANTS AND THEIR WATER SOURCES
PUMP IT UP!
Problem
Does the amount of air pressure in a soccer ball affect how fast it will travel when kicked?
Materials
Procedure
Results
Conclusion

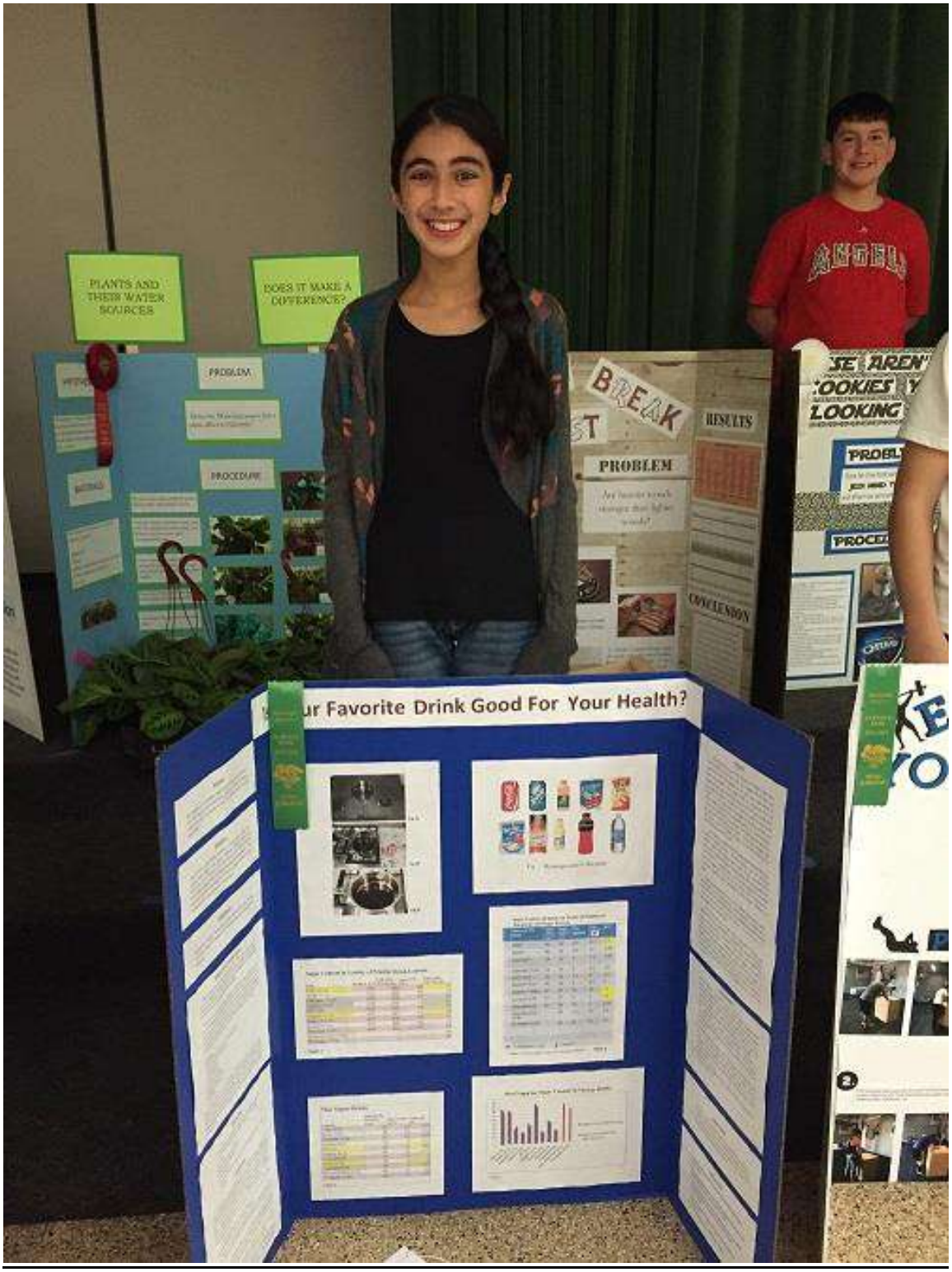

Bacteria
VS
Saliva
MAGLEY
STRENGTH
ZIP ZIP AND AWAY
IT GO
BAD?
UMP IT UP!
Problem
Procedure
Conclusion


Bacteria
VS
Saliva
MAGLEY
STRENGTH
ZIP ZIP AND AWAY
IT GO
BAD?
UMP IT UP!
Problem
Procedure
Conclusion

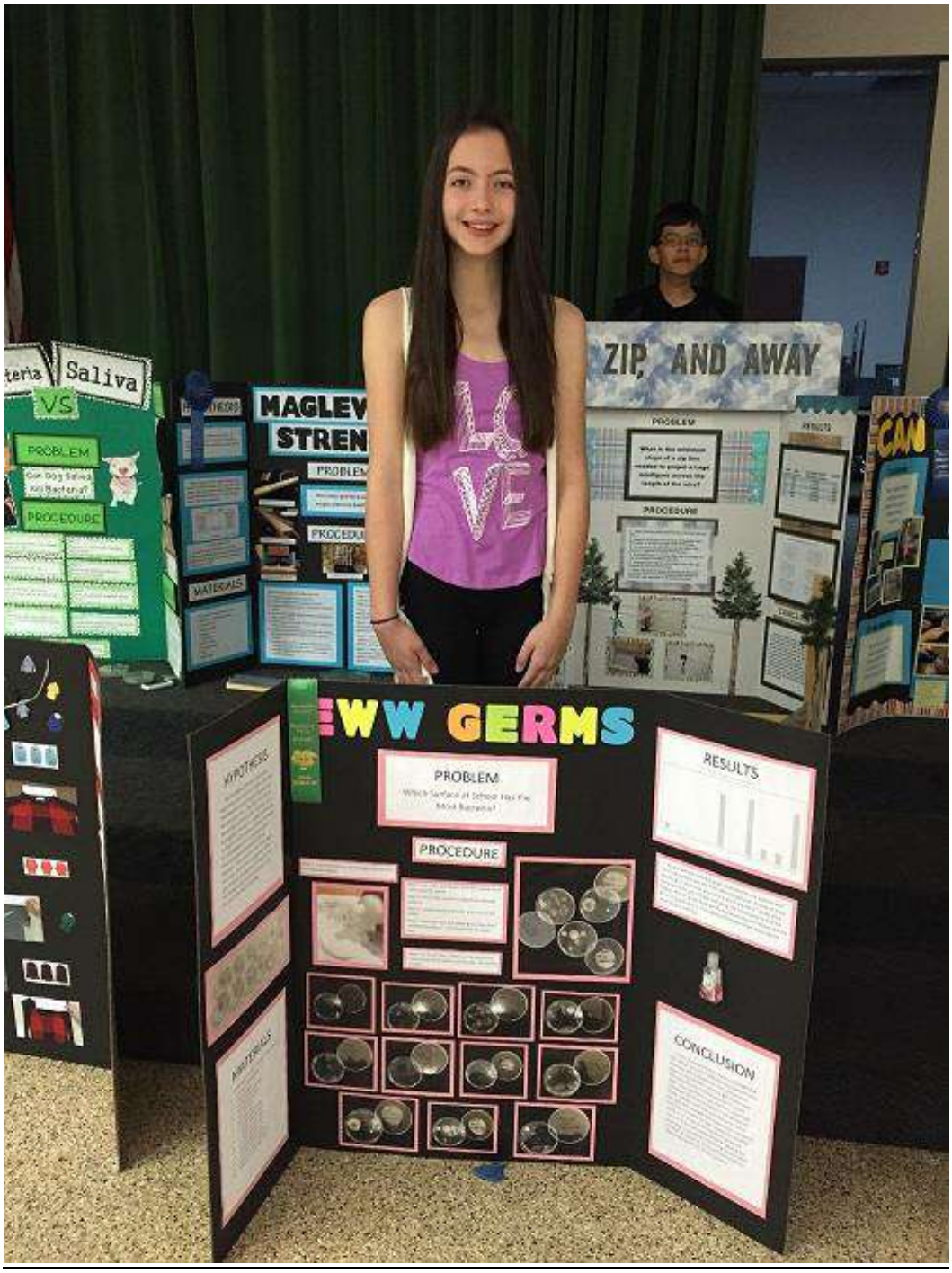

PLANTS AND THEIR WATER SOURCES
DOES IT MAKE A DIFFERENCE?
PROBLEM
PROCEDURE
MATERIALS
HYPOTHESIS
RESULTS
CONCLUSION
PROBLEM
PROCEDURE
RESULTS
CONCLUSION

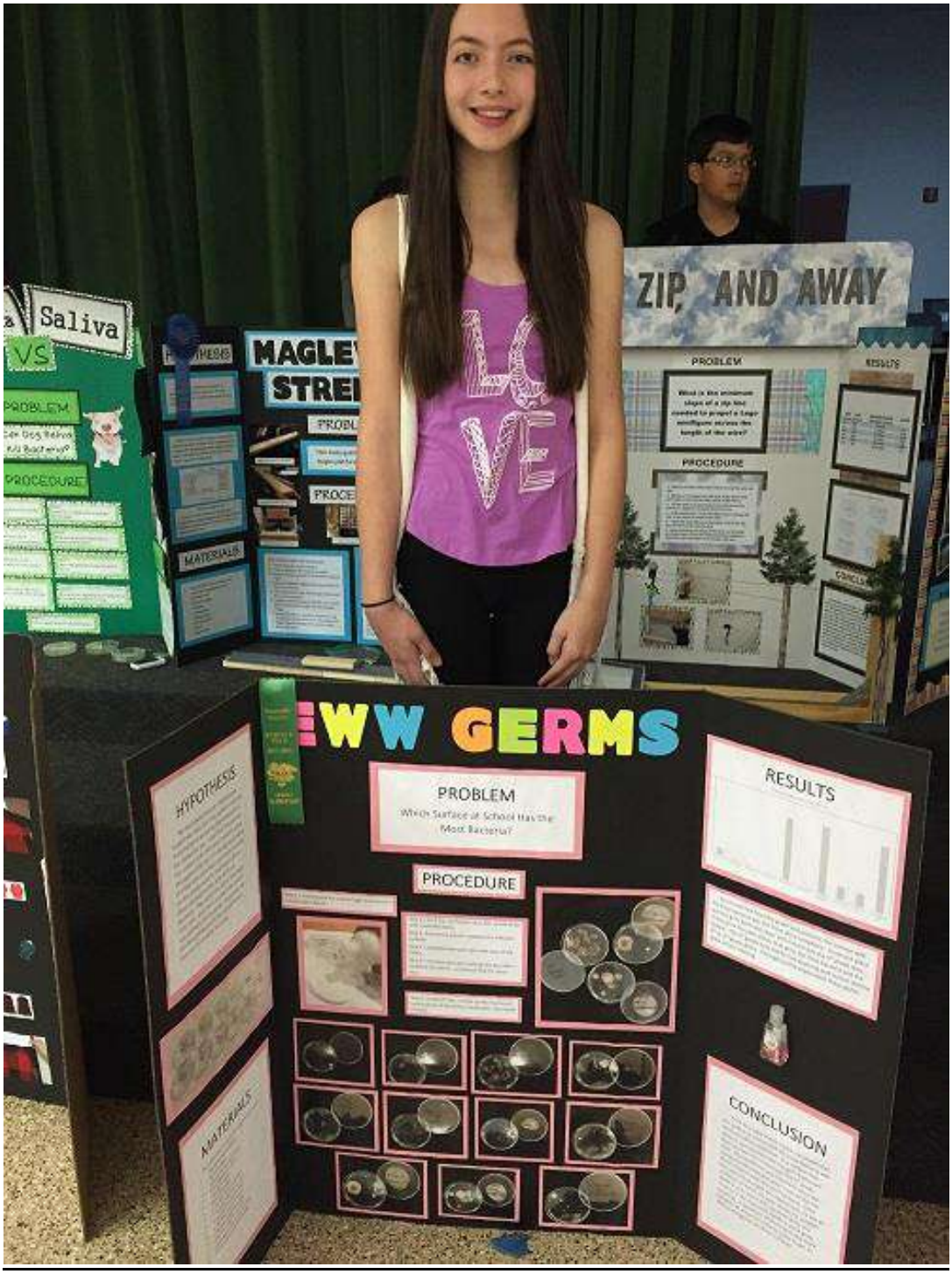

ANGELS
HYPOTHESIS
PROBLEM
PROCEDURE
MATERIALS
RESULTS
PROBLEM
PROCEDURE
CONCLUSION


BREAK
TEST
PROBLEM
PROCEDURE
MATERIALS
RESULTS
CONCLUSION
PROBLEM
PROCEDURE
EXERCISE
YOUR BRAIN
HYPOTHESIS
MEMORY
PROBLEM
What is the effect of exercise on the memory function of the brain?
PROCEDURE
MATERIALS
RESULTS

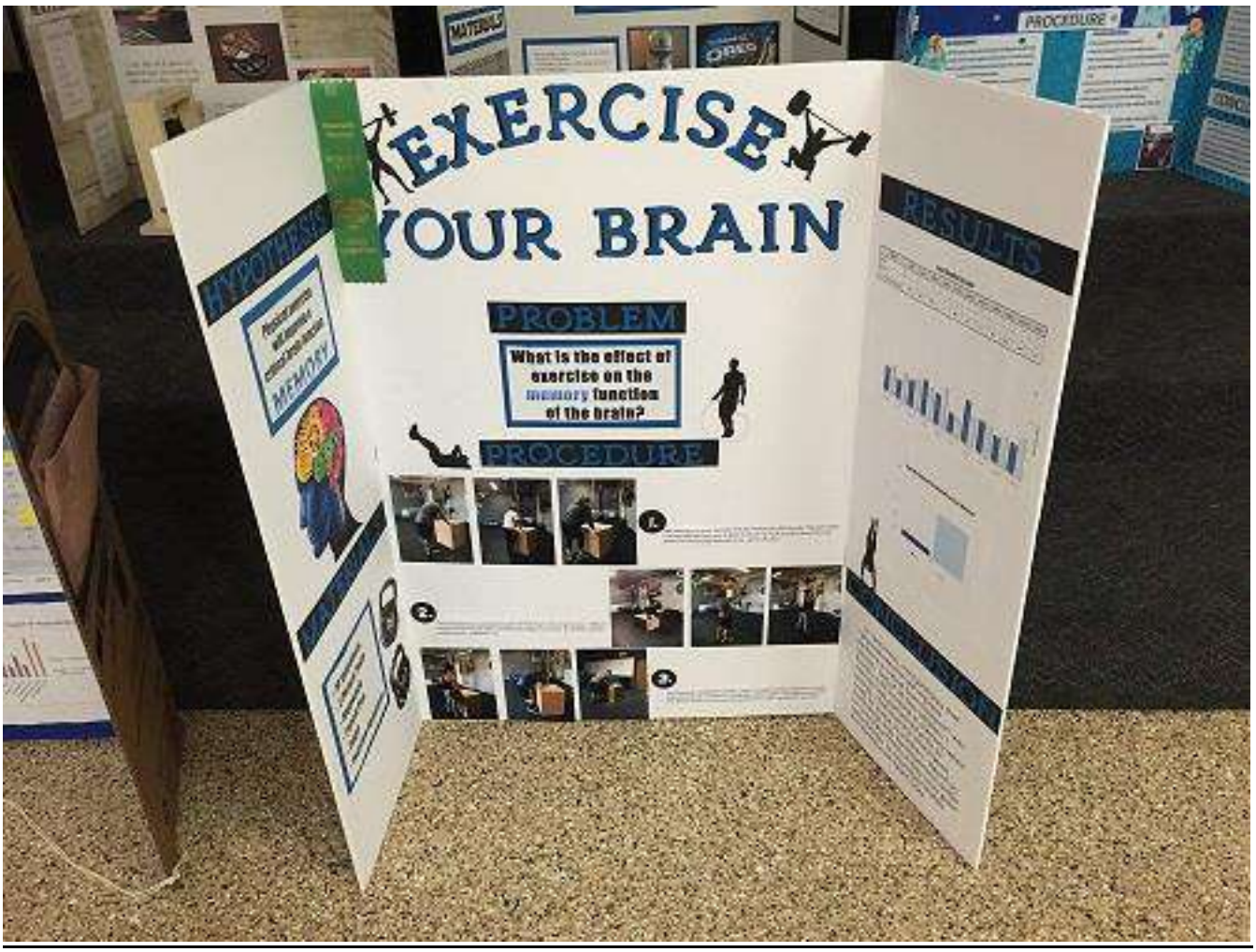

PLANTS AND THEIR WATER SOURCES
DOES IT MAKE A DIFFERENCE?
PROBLEM
PROCEDURE
BREAK
RESULTS
PROBLEM
CONCLUSION
ur Favorite Drink Good For Your Health?

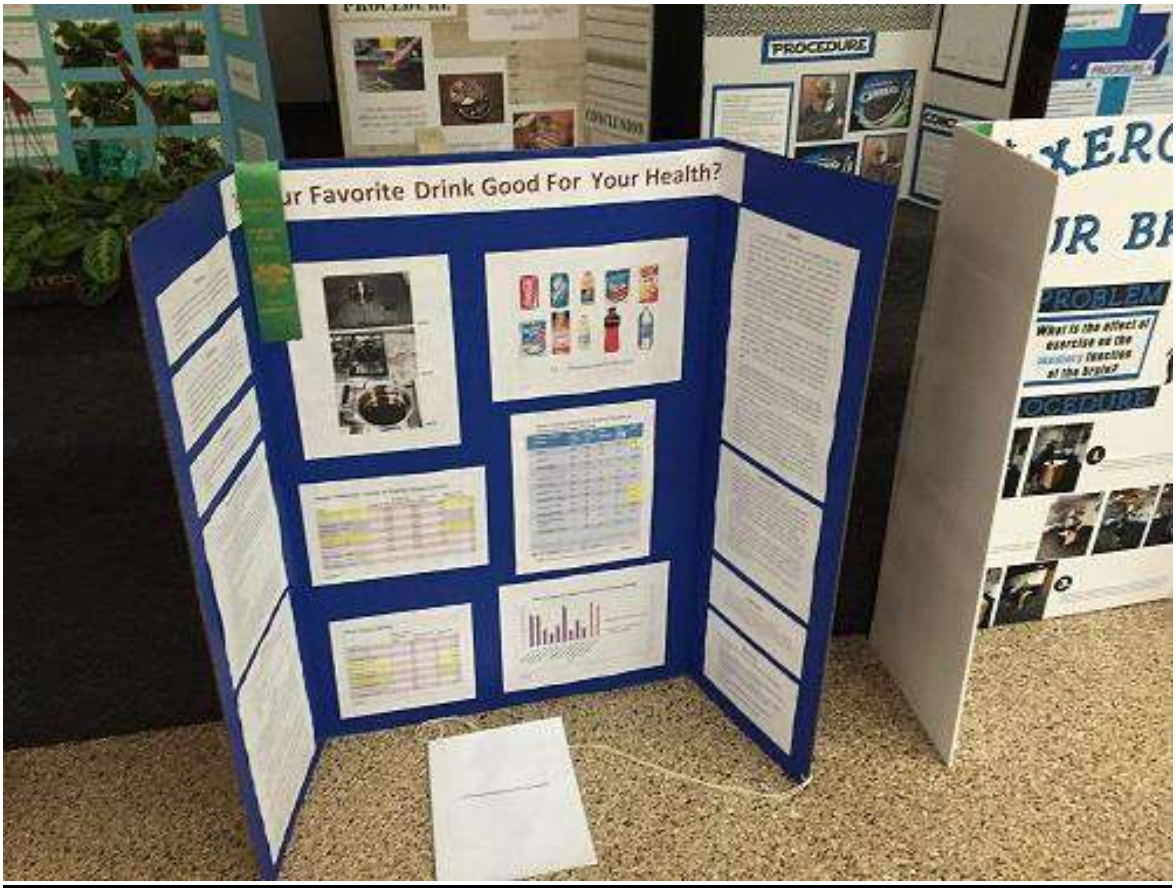

Hypothesis
Problem
Does the amount of air pressure in a soccer ball affect how far it will travel when kicked?
Materials
Procedure
PROBLEM
RESULTS
PROCEDURE
LIGHTS OUT
GLOW ON!
HYPOTHESIS
PROBLEM
Does temperature affect the brightness of a glow stick?
RESULTS
MATERIALS
PROCEDURE
CONCLUSION

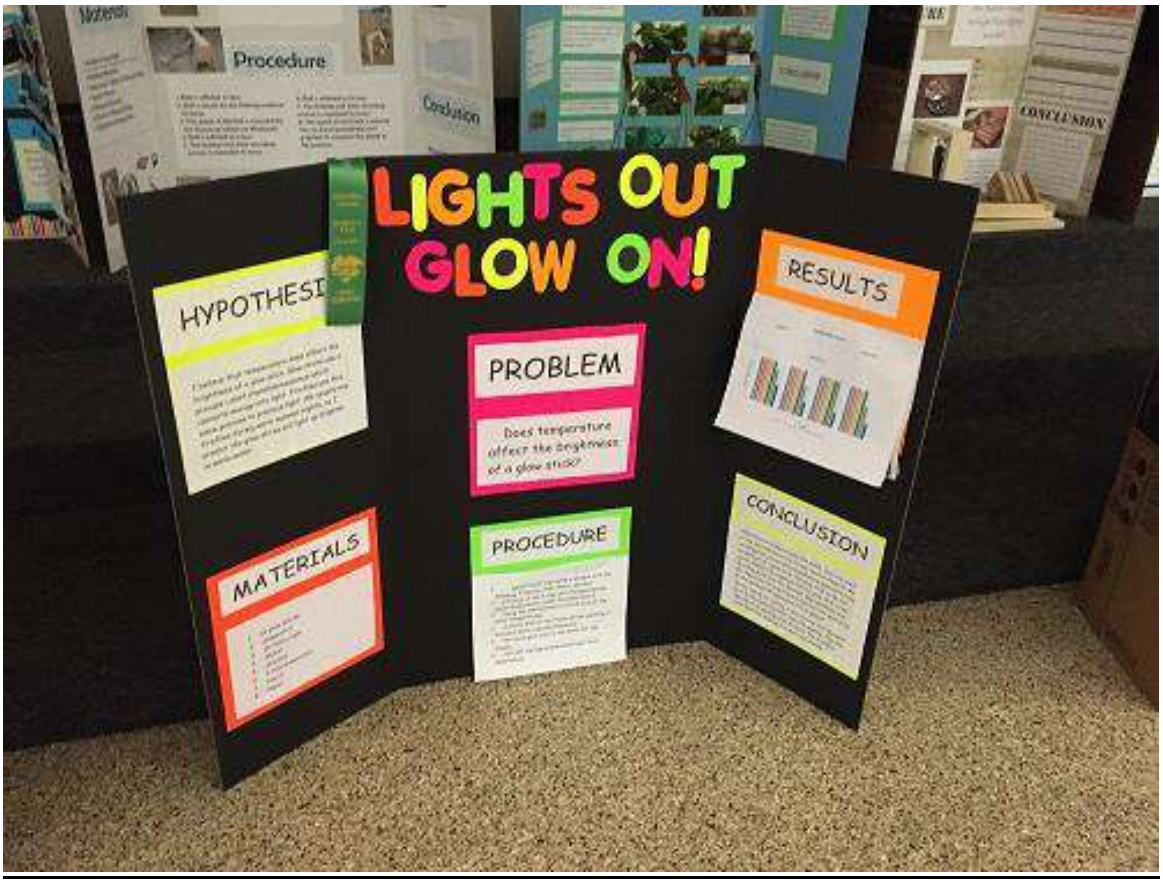

Saliva
VS
PROBLEM
PROCEDURE
MATERIALS
ZIP, AND AWAY
PROBLEM
PROCEDURE
RESULTS
CAN
EWW GERMS
PROBLEM
PROCEDURE
RESULTS
CONCLUSION


Saliva
VS
PROBLEM
PROCEDURE
MATERIALS
ZIP, AND AWAY
PROBLEM
RESULTS
PROCEDURE
EWW GERMS
HYPOTHESIS
PROBLEM
PROCEDURE
RESULTS
MATERIALS
CONCLUSION


LIGHTS OUT
GLOW ON!


EXERCISE
YOUR BRAIN
HYPOTHESIS
MEMORY
PROBLEM
What is the effect of exercise on the memory function of the brain?
PROCEDURE
RESULTS


PROCEDURE
ur Favorite Drink Good For Your Health?
PROBLEM


Procedure
Conclusion
LIGHTS OUT
GLOW ON!
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PROBLEM
Does temperature affect the brightness of a glow stick?
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CONCLUSION