
SCIENCE FAIR
2022-23
Purpose
The purpose of my experiment was to test for bias toward academics or athletics among middle school students, high school students, and parents of these students using the IAT (Implicit Association Test).
Hypothesis
I hypothesized that students would have a bias towards athletics which would be strongest in the high school population. However, I predicted that adults would have a stronger academic bias.
Background
Abstract

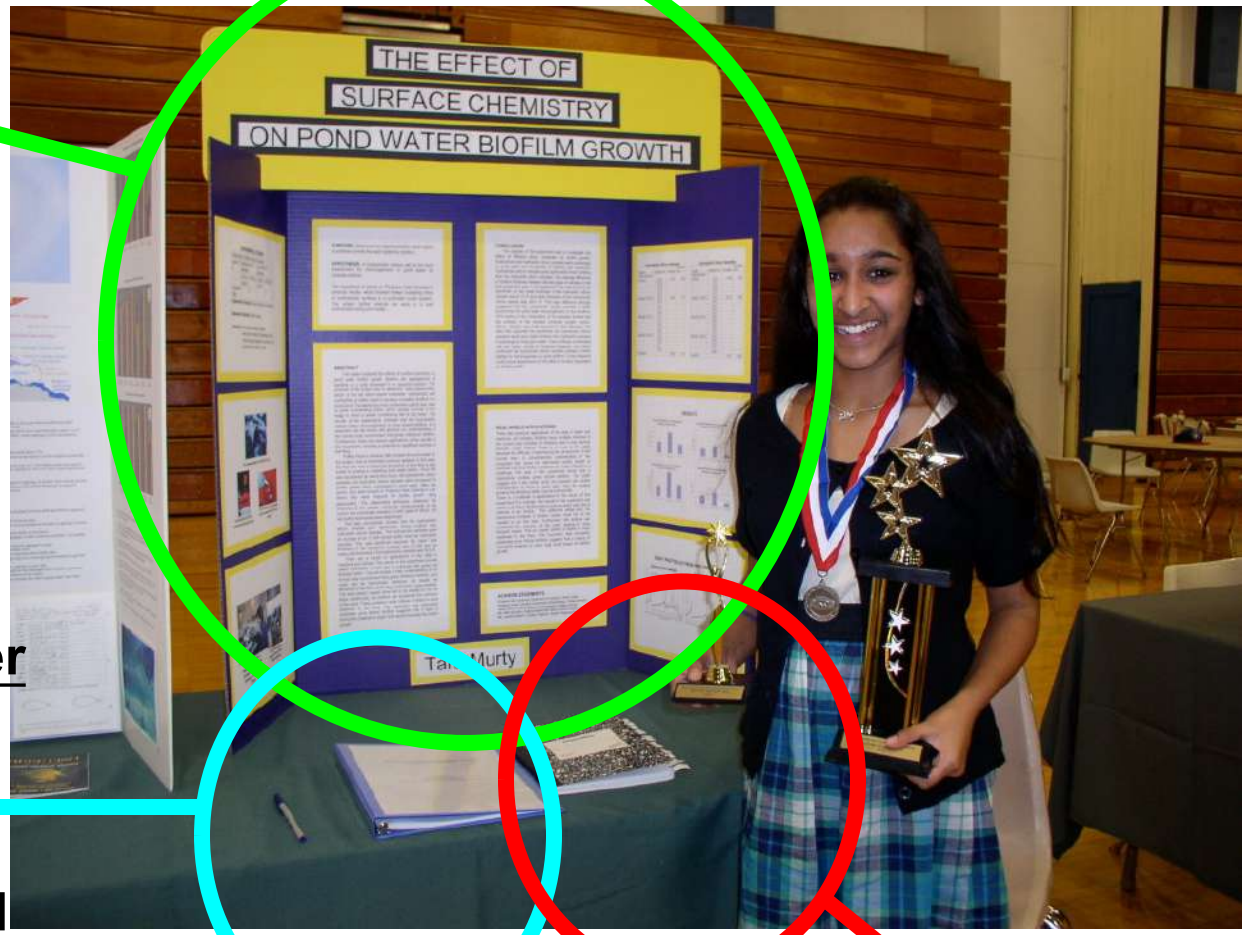
The Landrum Middle School Science Fair is affiliated with:

The St. Johns County Science Fair

Florida State Science and Engineering Fair (SSEF)

Intel International Science and Engineering Fair (ISEF)

Parts of the Science Fair Project

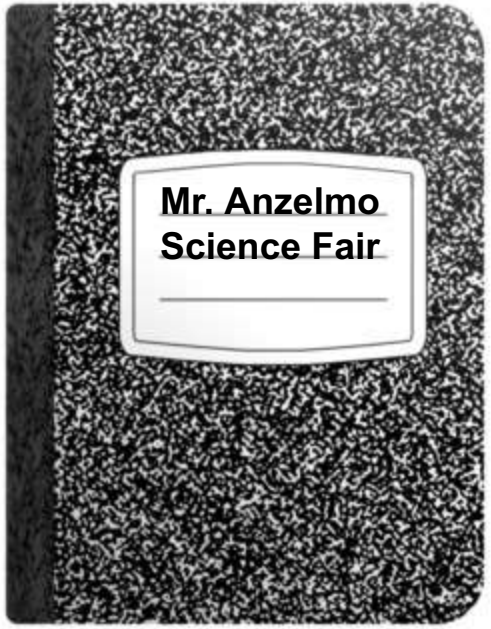


Backboard – Presents your entire experiment

Project Binder Contains paperwork, background research, and project report.

Project Journal - A diary of your project. A record of everything you did.

Project Journal



EVERY student needs to keep a project journal

EVERYTHING you do should be recorded in your project journal (not just your experimental data).

DATE every entry – extremely important!!!

Do NOT tear out pages, use white out, or scribble out mistakes.

- **Draw ONE line (~~mistack~~) through any mistakes.**

Your journal should document the process of selecting a topic, background research, rough drafts of your Research Plan, your data – EVERYTHING! -- START MAKING ENTRIES TODAY!

Sample Entry

08/23/22

Attended first Science Fair meeting. Discussed project components and met Mr. Anzelmo.

Will need to visit science fair website:
http://www.lms.stjohns.k12.fl.us/sciencefair/

My first topic idea deals with methods to reduce plastic consumption by using...

What are the Judges Looking For?

Projects that:

- **Are Meaningful**
- **Have real world applications**
- **Have a clear purpose**
- **Solve a real-world problem**
- **Address a issue in your community**
- **Are challenging**

Steer clear of commonly-done projects with obvious outcomes (like ones you find on internet sites like ScienceBuddies.com)

Models and demonstrations, while educational, are *not* Science Fair projects!

Students often develop projects in:

Animal Sciences

Behavioral and Social Sciences

Biochemistry

Medical and Health Sciences

Chemistry

Earth and Environmental Sciences

Engineering

Environmental Engineering

Materials Science

Mathematics

Microbiology

Physics and Astronomy

Plant Sciences

Where Do I Begin?

Topic selection is the hardest part!

Use imagination, thoughtfulness, independence, and diligence.

Pursue topics that interest you.

Use current events to inspire you.

Address questions of local or regional concern.

Try to answer an unanswered question, solve a problem, invent something, or improve something.

Can I Start Experimenting?

NO

You must first:

1) Conduct background research and create a bibliography

2) Create a detailed Research Plan

3) Complete all of the Official ISEF forms needed for your project and receive project approval

These tasks must be completed BEFORE any experimentation can begin!!!

Winning students can advance to the St. Johns County Science fair and the Florida State Fair, and potentially win monetary awards and college scholarships!

What Next?

1. Get a Project Journal and start making entries.

2. Visit the Landrum Science Fair website and familiarize yourself with upcoming due dates

3. Start looking for sources of background information for your project, which is our topic next week!

What are the Judges Looking For?

Your project should:

Use quantifiable (measureable) variables.

Have measurable results (time, distance, capacity, temperature, frequency, changes in rates, scale rankings……)

Product tests should be avoided unless you test the chemical or physical properties of specific ingredients.

*** Your project must address why there may be a difference in the effectiveness between products based on chemical or physical properties.**