

District Competition

Participation in the Palm Beach County School District Elementary Fair is guided by the following ideas:

- School Participation in the District Elementary Mathematics, Science, and STEM Fair is voluntary.
- The District Fair competition is open to public, private, charter, and home school organizations.
- All projects must first be judged in a School Fair competition.
- All projects must be certified complete before competing in the District Fair competition.
- No animal or human subjects can be hurt or harmed in any project investigations.
- All project investigations should be the work of elementary students.
- The decisions by School and District Fair judges are final.
- The School District has final approval over their competition.

2020 DISTRICT ELEMENTARY FAIR

The 2020 Palm Beach County School District Elementary Mathematics, Science, and STEM Fair will be held at the South Florida Fairgrounds, located East of State Road 7 (Route 441) on Southern Boulevard in West Palm Beach.

Monday, March 16, 2020

Schools Deliver Projects to Fairgrounds
1:00 - 4:00 P.M., All Projects Certified
5:00 - 8:00 P.M., Judging (**CLOSED TO PUBLIC**)

Tuesday, March 17, 2020

9:00 A.M. - 1:00 P.M., School Field Trips
2:00 - 7:00 P.M., Open to the Public

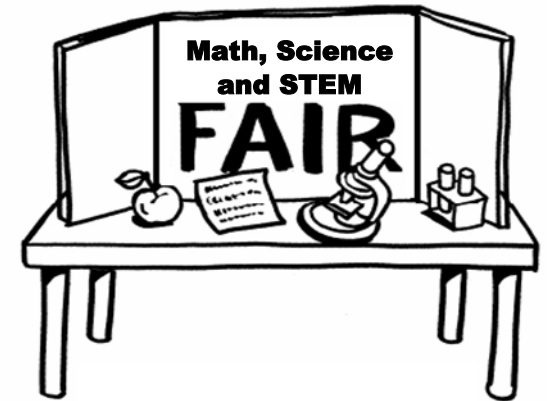
Wednesday, March 18, 2020

9:00 A.M. - 12:00 P.M., School Field Trips
1:00 P.M. - 4 :00 P.M. Projects Picked-Up
by School Coordinators

The District Elementary Mathematics, Science, and STEM Fair is an annual academic competition approved by the Palm Beach County School Board and organized by the Division of Teaching and Learning's Elementary Math, Science and STEM Teams. Any public, private, charter, or homeschool organizations in Palm Beach County can participate. For more information, please contact your school coordinator.

INFORMATION BROCHURE

2020 Elementary Mathematics, Science, and STEM Fair



A Project Based Competition for Elementary School Students

It's About Investigating

- Mathematics, Science, and STEM
 - Researching Concepts
 - Making Predictions
 - Problem Solving
 - Designing & Planning
- Observing & Recording Data
- Analyzing & Showing Proofs
- Communicating Results

TYPES OF PROJECTS THAT CAN BE ENTERED

Mathematics projects investigate a problem and gather data which the student analyzes mathematically. These projects are similar to consumer product surveys or polls about what consumers like or dislike. Data is gathered and analyzed mathematically, all proofs are explained, and Real World Connections are made.

Science projects ask a testable question that can be answered by experimenting, collecting data, and analyzing the results after three separate test trials. Claims about the results must be supported by the data collected from the trials.

STEM projects combine math, science, and technology skills to design a solution to a real world problem. Students identify a problem and imagine what a possible solution might look like. Then, students draw it, build it, test it, and improve it until it works perfectly.

Students can choose which type of project they want to investigate.

COMPLETE PROJECTS INCLUDE THESE STEPS

Purpose/Question: a statement explaining what you are trying to investigate.

Hypothesis/Conjecture/Explore: a prediction that can be tested by conducting an experiment.

Design/Plan: the technical drawing for your initial STEM project design

Materials: a list of all the equipment and materials used in the investigation.

Procedure/Create: a numbered list describing all the steps in your experimental trials in the order they are performed.

Improve/Test: how your tests have informed your STEM project design changes

Data Table: the observations and measurements you made in 3 separate, experimental trials, organized and recorded in data tables.

Conclusions/Share: true statements explaining the outcome of your investigation. The recorded data that supports each statement. Does it support or reject your hypothesis?

Real World Connections: explaining how your project relates to the real world or careers in science.

MY SCHOOL FAIR ASSIGNMENT DUE DATES

My **Purpose/Question** is due

_____.

Hypothesis/Conjecture/Explore are due _____.

Plan, Materials, and Procedures are due _____.

My **complete project board** is due

_____.

I present my project in class on

_____.

The **School Fair** is on

_____.

I need to -

... **select a testable question.**

... complete my assignments on time.

... do my own work.

... **have any animal or human project approved before experimenting.**

...follow all the competition rules.

... **have a safe, quiet place to work.**

... ask for help if I get stuck.