

DISTRICT FAIR ETHICS

Participation in the Palm Beach County School District Fair should be guided by the following ideas:

- ▽ Elementary Math and Science Fair is first and foremost a positive learning experience.
- ▽ Participation in the District Fair should never be the only basis for a grade.
- ▽ Math and Science Fair projects should supplement Florida State and District Instructional goals.
- ▽ A certified project should be an investigation by experimentation.
- ▽ No animal or human subjects should be hurt or harmed in any project investigation.
- ▽ Original ideas and work are best.
- ▽ All projects and related activities should be the work of the student.
- ▽ The decision of the judges is final.
- ▽ The School District has final approval over the competition.

2017 DISTRICT ELEMENTARY FAIR

The 2017 Palm Beach County School District Elementary Mathematics and Science Fair will be held in the Expo Center West, at the South Florida Fairgrounds. Located East of State Road 7 and Route 441 on Southern Boulevard in West Palm Beach.

MONDAY, MAY 8, 2017.

8:00 A.M. - 12:00 Noon, Set-Up Tables
1:00 - 4:00 P.M., Project Certification
5:00 - 8:00 P.M., Judging CLOSED TO PUBLIC

TUESDAY, MAY 9, 2017.

9:00 A.M. - 1:00 P.M., School Field Trips
1:00 - 7:00 P.M., **OPEN TO THE PUBLIC**

WEDNESDAY, MAY 10, 2017.

9:00 A.M. - 12:00 Noon, School Field Trips
1:00 - 4:00 P.M. Project Pick-Up

The District Elementary Mathematics and Science Fair is an annual academic competition approved by the Palm Beach County School Board, organized by the Department of Curriculum, and managed by the K-5 Math & Science Team. All public, private, and home-school organizations within Palm Beach County can participate. For more information and a copy of the 2017 Student & Parent Guide contact Thomas Medcalf, District Fair Committee chairman, (561) 357-7626.

WHAT IS THE DISTRICT ELEMENTARY MATH, SCIENCE, AND S.T.E.M. FAIR?



**A PROJECT BASED COMPETITION FOR
ELEMENTARY SCHOOL STUDENTS**

IT'S ABOUT INVESTIGATING

- 👁 Questions in Science and Math
- 👁 Using the Scientific Method
 - 👁 Problem Solving
 - 👁 Long Range Planning
 - 👁 A Sense of Ethics
 - 👁 Managing Materials
 - 👁 Recording Data
 - 👁 Critical Thinking

TYPES OF PROJECTS THAT CAN BE ENTERED

Math projects investigate a problem and gather data which the student analyzes mathematically. Like consumer product surveys or polls about what consumers like or dislike. Data is gathered and analyzed mathematically and the results and the math skills are explained by the student.

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.

Engineering projects combine math and science skills to design a solution to a problem. Students identify the problem, and imagine what a possible solution might look like. Then they draw it, build it, test it, and improve it until it works.

In each project described above, the student does their own work.

COMPLETE PROJECTS INCLUDE THESE STEPS

PURPOSE: a statement explaining what you are trying to investigate.

HYPOTHESIS: a prediction that can be tested by conducting an experiment.

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

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

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

RELATIONSHIP-TO-MATH: (*required for all math project*) an explanation of the math skills, computations, or process skills used in the investigation.

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

REAL LIFE CONNECTIONS: when applicable, explain why your investigation is important and what applications it may have to real life.

MY SCHOOL FAIR ASSIGNMENT DUE DATES

My **purpose** is due

My **hypothesis** is due

Materials and procedures are due

My **complete project board** is due

I **present** my project in class on

The **School Fair** is

I **need to -**

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

... complete my assignments on time.

... do my own work.

... **have my 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.