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.

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.
**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** selects 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.