

Are you looking for a challenge? Do you like to have fun while learning something new? Would you like a chance to earn certificates and cash prizes? If you answered YES to any of these questions, the Pennsylvania Statistics Poster Contest just may be the challenge you are looking for!

We are thrilled to announce that the Saint Francis Science Outreach Center will again host the Pennsylvania Statistics Poster Competition for 2020. Cash prizes and certificates are awarded for first, second, third, and fourth place in each category. Certificates are awarded for honorable mentions in each category. The winning posters from the Pennsylvania Competition are submitted to the National Statistics Poster Competition.

Please submit posters to Mrs. Carmichael no later than Thursday, February 13, 2020. This allows time for review; corrections and a school-wide gallery walk prior to the posters being sent for judging.

General Information:

A statistics poster is a display containing graphs that summarize data, provide different points of view, and answer some question (or questions) about the data.

All students in grades K-12 in Pennsylvania are eligible to participate. Entries will be judged in four grade level categories: K-3, 4-6, 7-9, and 10-12.

Winners for the Pennsylvania Competition will be announced in April 2020.

Rules and Guidelines:

- ✓ Posters are to measure between 18 and 24 inches high and 24 and 30 inches wide (no larger).
- ✓ Any weight of paper is permitted.
- ✓ Any layers of paper on posters must be affixed securely. Building a third dimension to the poster with paper or other materials is strongly discouraged.
- ✓ Lamination is recommended.
- ✓ Posters must be the original design and creation of the entrants themselves.
- ✓ Representing more than one aspect of the data in one graph or by using more than one graph is strongly encouraged.
- ✓ The poster's subject matter is the choice of the participants.
- ✓ A listing of the original data, a description of the method of collection, and the purpose of the experiment should be securely taped to the back of the poster. (Cite references for published data.)
- ✓ Be sure the poster itself gives no information that identifies the students, teacher, school or district. A separate entry form must accompany each poster. Mrs. Carmichael will handle this for the students.

Only first-, second-, third-, fourth-place, and honorable mention winners will be notified personally. The Science Outreach Center website will announce the Pennsylvania winners in April. The ASA web site will announce national winners in August.

Students may work individually or in teams. For the K-3 category, a team may consist of up to an entire class. For the other categories, the team may have up to four students. The highest grade represented by any team member will determine the entry category.

All posters submitted become the property of the competition organizers as a "work for hire" under the copyright act, and will not be returned. Submission of posters constitutes consent to use winner's names, likenesses, and entries for editorial, advertising, and publicity purposes.

Judging:

What the Judges will look for:

- Overall impact of the display for eye-catching appeal and visual attractiveness, and for its ability to draw in the viewer to investigate the graph or graphs.
- Clarity of the message's demonstration of relationships and patterns, obvious conclusions, and the ability to stand alone, even without the documentation on the back of the poster.
- Appropriateness of the graphics for the data.
- Creativity, neatness, and originality.

Judging will take place in March 2020. All decisions by the judges are final. To be involved with judging of the PA Statistics Poster Competition please contact the Science Outreach Center. Prizes:

- First Place: \$96
- Second Place: \$72
- Third Place: \$48
- Fourth Place: \$24

If the submission is a collaborative effort, the prize money will be divided equally. For the K-3 category, winning poster submissions by a team of 5 or more students will be distributed according to the school's specifications. Pennsylvania Statistics Poster Competition winners will also be submitted to the National Statistics Poster Competition, which is coordinated by the American Statistical Association.

Please note, surveys will be limited to one grade level only during the week of January 6-10, 2020. Students will need to think creatively in collecting data for posters, as surveys are not required to complete a poster. Students in math enrichment are required to participate. All other students are strongly encouraged to participate.

Helpful links:

<http://francis.edu/pa-statistics-poster-competition/> (There is more info on contest and samples of winning posters.)

<https://www.surveymonkey.com/> (Here you can create a survey in minutes to email to family and friends!)

<https://nces.ed.gov/nceskids/createagraph/> (Create a graph using this site!)

Please contact Mrs. Carmichael with any concerns at carmtc@abington.k12.pa.us.

Please complete and return this form to Mrs. Carmichael by

January 9, 2020

Student Name_____

Teacher_____

___**Yes! My child will be completing a poster for submission.**

___**My child will be completing the poster with the following students:**

_____, _____, _____.

(No more than 4 students per group.)

___**My child will be completing the poster individually.**

My child's topic is

Parent Signature:_____

**Please contact Mrs. Carmichael with any questions or concerns at
carmtc@abington.k12.pa.us**