

Pennsylvania Statistics Poster Competition!

Do you like to have **fun** while learning at the same time?

Do you like to be **creative**?

Would you like the opportunity to win **cash prizes, certificates, or ribbons** for your hard work and effort?

If you answered YES to any of these questions, then the **PA Statistics Poster Competition** may be just what you are looking for!

What is the **statistics poster** contest?

It's a display containing 2 or more different styles of graphs that summarize data in different ways. First, you think of a question that can be answered by a survey, observation, or research. This is your hypothesis. Then, you conduct research, collect the data, and see if your data prove your hypothesis.

You can work individually, as a whole class (grades K-3) or in teams of up to 4 students (grades K-6). The highest grade represented by any team will determine the category.

Entries will be judged in four grade level categories:

Grades **K-3**, Grades **4-6**, Grades **7-9**, Grades **10-12**

How do I enter?

It's easy. Mr. Welsh will register you and ship your poster.

All posters are due by Monday, February 22, 2016.

See the other side of this paper for specific rules and guidelines. For more information and to see some past samples, log onto francis.edu/pa-statistics-poster-competition

New this year: the posters will be **displayed** for everyone to see before they are shipped! Everyone who submits a poster will earn a chance for a **prize!**

So start thinking of possible topics for your statistics poster...what question do you want answered? Be creative...you just might win!!

Prizes: First prize: \$96 Second prize: \$72 Third prize: \$48 Fourth prize: \$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 3 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.

Team Name: _____

Student Name(s)			
Teacher(s)			

Please cut along the dotted line and return to Mr. Welsh

Specific 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. (a standard piece of poster board is recommended)
- 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, as the poster must be flat for shipping.
- Posters must be the original design and creation of the entrants themselves.
- The **front of the poster** needs to include: more than one aspect of the data shown in **different types of graphs** (different information needs to be shown in different graphs), a neat and creative **title**, a clearly stated, creative, and interesting **question**, a **hypothesis** of what you thought you would learn from the data, and a clearly stated **conclusion** of what you actually learned.
- The **back of the poster** needs to include: a listing of the **original data**, a description of the **method of collection**, and the **purpose** of the experiment should be securely and neatly glued or taped to the back of the poster. (For topics that are researched...list all **references!**)
- The poster itself can **NOT** have the student's name, teacher's name or name of the school or district on it. Please list your name and teacher's name on a post-it note when handing in the poster. A separate entry form (which will accompany each poster) will be completed by Mr. Welsh
- Only first, second, third, fourth-place, and honorable mention winners will be notified personally by the contest. The Science Outreach Center website will announce the Pennsylvania winners in April. The ASA web site will announce national winners in August.
- 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 will take place in March 2015. All decisions by the judges are final.
- If you want to make 2 identical posters Copper Beech will send one in for the contest and may display the other copy in the hallway as an example for other students. That is pretty cool.

Judging: *(Abington teachers have nothing to do with the judging)*

What the Judges are looking 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 graphs.
- **Clarity** of the demonstration of relationships and patterns of the data, obvious conclusions, and the ability for the poster to stand alone, even without seeing the documentation on the back of the poster.
- **Graphs** are **appropriate** for the question and data, and they are **correctly constructed** with correct titles.
 - Visit <http://nces.ed.gov/nceskids/createagraph/>
- **Creativity, neatness, and originality**, and **correct grammar and spelling**.