



We are pleased to announce this year's Science Fair, sponsored by the Woodrow Wilson PTA! March 4-5, 2020.

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General Information:

- (1) The purpose of the Fair is to recognize and commend youthful scientific talent and interest in scientific investigation.
- (2) Awards will be given as follows:
 - (a) 1st, 2nd, 3rd place and two honorable mention ribbons for EACH grade level.
 - (b) One Best of Fair award will be presented for the entire school.
 - (c) All participants will receive a Science Fair ribbon.
 - (d) Additional awards will be presented in special categories.
- (3) Models or collections are **not** acceptable. Students in grades K-5 should follow the scientific method, develop a testable question, and perform an experiment.
- (4) The participation of students in the Fair is meant to be a positive experience. Please encourage all students and teachers to follow the guidelines, exactly, in order to avoid any problems. In order to be fair to all participants, projects that do not conform to the rules and specifications outlined below may be disqualified.
- (5) All Wilson 5th graders are required to participate in the school Science Fair, but all students are encouraged to enter. Part of the work on their projects may be done in class. An entry form must be completed for each participant. Entry forms are included in this packet. Entry forms should be turned into the teacher with the project no later than 7:40 am on Wednesday, March 4, 2020. (Note: do NOT attach the entry form to the project! Projects must be anonymous).

Judging Criteria:

- (1) Scientific Thinking/Method
- (2) Testable Question
- (3) Data Collection (3 trials minimum). For example:
 - If you are testing with growing plants in different soils, you need to have at least 3 plants in each of the different soils.
 - If you are testing which color candle burns the fastest, you need to have at least 3 candles of each color.
- (4) Appropriate consent forms/animal use forms included, as needed
- (5) Project Display
- (6) Miscellaneous (originality, complexity, handwritten journal, bibliography, future questions)
- (7) Finalists may be asked to participate in a judges' interview process.

All of the necessary forms are available on-line at the Wilson website by clicking "PTA" and then "Science Fair." Students who need forms to work with human subjects or live vertebrates will receive them after contacting the coordinators for permission.

Science Fair Coordinator: Emily Blake wilsonsciencefair@gmail.com 817-223-5295

Event Schedule:

Thursday, February 6

STEAM Night at school- family activities related to Science and Engineering

Before Beginning Projects Involving Live Vertebrates

- Consent of one of the Science Fair Coordinators (e-mail preferred) before beginning project and by February 19 (two weeks before projects are due)
- Signed Vertebrate Release Form and signed permission from veterinarian

Before Beginning Projects Involving Human Subjects (including surveys and questionnaires)

- Consent of one of the Science Fair Coordinators (e-mail preferred) before beginning project and by February 19 (two weeks before projects are due)

Wednesday, March 4, 2020

7:40 am All projects due! (Check with your teacher if your project needs to be turned in earlier.)

Students will set up their Science Fair displays as a class in the gym at specified times during the school day.

NOTE: NO LATE PROJECT ENTRIES WILL BE JUDGED.

11am-3 pm First Judging Session

Thursday, March 5, 2020

8:00 am - 12:00 pm, Second Judging Session

Finalist interviews will be conducted during this time, as needed.

6 pm - 7 pm, **Awards Assembly**

Everyone is invited to the ceremony in the cafeteria where the awards will be presented.

Friday, March 6, 2020

Students remove their projects by the end of the day.

If you need assistance at any point in your project, please contact the Science Fair Coordinator, or visit the Woodrow Wilson Library where Ms. Bynane has books and internet resources for science projects. The Denton Public Library also has excellent resources for science projects.

Woodrow Wilson PTA SCIENCE FAIR

Official Rules and Regulations

It is heartbreaking to disqualify a student's project for failure to follow the rules and regulations, so please read this information carefully!

Official Rules

- **All projects must use the Scientific Method.**
- No group projects. No models or collections.
- Displays that do not meet the stated exhibit specifications — including the maximum width of 36 inches — as well as the stated safety precautions may be disqualified.
- Use of **animal subjects** in any way requires Coordinator and Veterinarian approval (contact one of the Science Fair Coordinators by e-mail before February 19.)
- Displays that do not meet the stated exhibit specifications- including the maximum width of 36 inches- as well as the stated safety precautions may be disqualified. Projects involving **human subjects** under age 18 in any way requires approval of one of the Coordinators by email by February 19, and may require parental permission of each participant.
- No hazardous or dangerous chemical substances, such as caustics, acids, highly combustible solids, fluids, or gases in pressurized tanks may be displayed. No syringes, pipettes, and similar devices may be on display. Any electrical apparatus must be constructed according to standard electrical laws.
- No specimens of any kind, including microbial cultures, fungi, plants, protista, or animals, living or dead, may be displayed due to safety and space limitations. However, the addition of photographs, sketches and/or drawings is highly encouraged.

Exhibit Specifications:

- (1) All projects are to be the work of only one person. Group projects are not eligible to compete for awards.
- (2) Students must construct their own exhibit. Parents, teachers, or any technically trained professionals may give advice and guidance only.
- (3) All projects should include a display that is self-supporting. The display should fit entirely within a rectangle **36 inches in width and 18 inches in depth**. Also, the display should be at most **36 inches in height**. These may be purchased at many area stores, including Hobby Lobby, Walmart, or Michael's, or the student can receive a free white backboard from his or her teacher.
- (4) All equipment and other necessary materials must be furnished by the exhibitor. If electricity is needed, it should be indicated on the entry form. 110volt outlets will be available, but the exhibitor is required to furnish an extension cord of at least 15 feet in length.
- (5) No student's name or school may be displayed on the exhibit. Failure to follow this important specification could result in being disqualified by the judges.
- (6) Students are encouraged to use explanatory labels on their exhibits to demonstrate the use of the scientific method. Appropriate headings include:
 - Question
 - Hypothesis
 - Materials
 - Procedures
 - Results
 - Conclusion
 - ResourcesAdditional headings might be appropriate, depending on the project.
- (7) Students are encouraged to use graphs, charts, and tables to explain the data collected during their experiment.

Woodrow Wilson Science Fair Entry Form

****Bring this form to your teacher with your project no later than 7:40 AM on Wednesday, March 4, 2020. Do NOT attach to the project.****

(Please print)

Student Name: _____

First

Last

Telephone: (____) _____ - _____

Parent or Legal Guardian: _____

Teacher: _____ Grade: _____

Title of Project: _____

Electricity Required for Display? _____ No _____ Yes

(Participant is responsible for providing extension cord at least 15 feet long)

Will special equipment be required for display? _____ No _____ Yes

Required Documents. The following required documentation must be presented if the project involves live vertebrates or human subjects in the experiment (including projects that use surveys and questionnaires). Projects without proper documentation are not eligible to participate in judging.

A) Live Vertebrates: 1) Coordinator permission (via printout of email) and 2) completed Vertebrate Release Form, with all necessary signatures.

B) Human subjects under 18: 1) Coordinator permission (via printout of email)

"My child and I have reviewed the rules and regulations for the science fair and have adhered to them."

Parent's Signature: _____

What to Bring on the entry day of the Science Fair

- Science fair project (no name on the project)
- Completed Entry Form (not attached to project)
- If using human subjects, students must obtain permission from the science fair coordinators by Feb 19, and may need a Completed Parental Release Form.
- If using live vertebrates, students must obtain permission from the science fair coordinators, as well as a signed note from a veterinarian approving their use of animals.
- Special equipment (extension cords, etc.)

What to do after the Science Fair

- Pick up projects on Friday, March 6 (projects not picked up may be discarded)

Science Fair Use:

Exhibit Number: