

Science Fair
Informational
Meeting
2024 – 2025



Getting Started

1. Science Fair Canvas Course is opened to all Middle School Students.
2. Parents can email Mrs. Chavez to be added as an Observer in the course. Please include your child's name and grade level when making the request.

Getting Started

3. Pennington Science Fair is scheduled for January 28th, 2024. All projects needs to be complete and school by the morning of January 27th.
4. Students can work in groups of three or lower. We have extended the Pennington Science Fair to 4th and 5th grade students, but only middle school students can move on to the county Science Fair.

Paperwork

1. Science Project Proposal Form and Protocol Forms are due by October 31st.
2. All forms need to be typed and signed. The forms can be found in the Science Fair Canvas course under the “Required Paperwork” Page.

Paperwork

3. Paperwork can be found as either a word document or PDF.
4. Prior approval is required for many areas of research from the Science Fair Coordinator and/or School Administrator.

Possible Science Topics

- ❖ **Animal Sciences***
- ❖ **Behavioral and Social Sciences***
- ❖ **Biochemistry (BI) ***
- ❖ **Chemistry ***
- ❖ **Microbiology***
- ❖ **Computational Biology & Bioinformatics**
- ❖ **Computer Science**
- ❖ **Robotics & Intelligent Machines**
- ❖ **Earth & Planetary Sciences**
- ❖ **Engineering**
- ❖ **Environmental Sciences**
- ❖ **Material Sciences**
- ❖ **Mathematics**
- ❖ **Medicine & Health Sciences**
- ❖ **Physics**
- ❖ **Plant Sciences**

Middle School Engineering Rubric

- ❑ Research (Background) Information – 20 points
- ❑ Design & Methodology – 30 points
- ❑ Execution: Construction & Testing – 25 points
- ❑ Creativity – 15 points
- ❑ Presentation – 10 points
- ❑ Total of 100 points

Middle School Rubric – Other Categories

- ❑ Experimental Design – 35 points
- ❑ Material & Procedures – 10 points
- ❑ Results – 15 points
- ❑ Conclusion – 10 points
- ❑ Creativity – 20 points
- ❑ Presentation – 10 points
- ❑ Total of 100 points

Science Fair Extras

In the Canvas Course you will find:

- Prohibited and Allowed Experiments including a chemical list.
- Resources on Safety.
- Feedback from the Judges of the Spring 2024 Science Fair.
- Science Fair Proposal Forms and Protocol Forms.

Science Fair Club

- Meeting Dates for Pennington Science Fair Participants at 8 am:
 - ❖ Dec 4th & 18th,
 - ❖ January 7th, 14th & 22nd
 - ❖ Additional Dates will be announced for students moving on to County Science Fair.
- Science Boards and additional presentation supplies will be provided.
- Assistance creating a zFair accounts for county science fair winners.

Important Dates

- Proposal and Protocol forms due by **October 31st**.
- Science Fair Project due **January 27th** (in the morning).
- Pennington Science Fair **January 28th** – Judging in afternoon and Award Presentation in the evening.
- PW – Manassas Regional Science & Engineering Fair Phase I - **March 6th – March 13th** (Virtual Judging)
- PW – Manassas Regional Science & Engineering Fair Phase II - **March 22nd** (In-Person & Virtual Judging)