

THIS IS A 3-PAGE FORM

The Children’s Museum 2018-2019 Science Fair

Sponsored by



Thursday January 17th , 2019, 5-8pm *snow date Thursday January 24th

The Science Fair is open to ALL students in grades 4-8 – Cash Prizes!

To participate in the fair, please complete the following form and return it to the museum or email to GinnyW@The-Childrens-Museum.org. Science Fair rules are attached to this registration form. A confirmation email will be sent when the registration form is successfully submitted.

Cash prizes are awarded to each grade.

1st \$50.00 - 2nd \$25.00 - 3rd \$15.00 - Honorable Mention ribbons will be awarded. All participants receive a certificate.

Prizes for teacher or homeschool group sponsors! The top 3 teachers or homeschooling groups that have registered participants who present at the fair win prizes.

Teacher/homeschool group prizes -

1st \$150 Gift card to Nasco, 2nd \$100 Gift card to Nasco, 3rd \$50 Gift card to Nasco

Judging rubric is attached to preview.

***NEW THIS YEAR**

* Judging structure has changed and each grade will be judged as a whole and not in tiered groups (all students in each grade will have the same panel of judges).

* First place winners of the 7th and 8th grades will be sponsored by the Museum to participate in the Pennsylvania Junior Academy of Science’s Regional Science Fair held in March 2019 at Susquehanna University. Students advancing at the regional level will be sponsored to go to States.

Student Information:

Student’s Name _____ Grade _____

Parent’s Name _____ Phone _____ Email _____

Title of project _____

Sponsor Information:

Teacher/Homeschool group/parent sponsor _____

School/Homeschool _____ Email _____

REGISTRATION IS OPEN UNTIL November 16th 2018 AFTER THAT DATE NO FURTHER APPLICATIONS WILL BE ACCEPTED

2018-2019 Science Fair Rules

Displays must be free standing. Participants will be given a 4'x3' table space on which to display their project. Judging will be done by a team of teachers, invited scientists, industry professionals and representatives from the Children's Museum. Judging is based on creativity, accuracy, student presentation and knowledge of subject, spelling and grammar, clarity, and completeness. Judges will ask students questions directly pertaining to their presentation.

Rules for your exhibit at the fair

- No open flames permitted.
- No dangerous or combustible chemicals are permitted. (Rockets/other engines must not contain fuel)
- Dangerous substances such as drugs, poisons, etc., are not permitted.
- Expensive or highly fragile items should not be displayed. If these types of items are essential to the project, use photos or simulations.
- No active chemical reactions may be performed in the Children's Museum □ No animals.
- Anything that is seen to be a safety risk will not be allowed in the Children's Museum.

Your display should ask and answer the following questions:

What is the question I want to answer?

What do I think the answer will be before I start? (HYPOTHESIS)

What did I do to test my hypothesis? (METHOD)

What materials did I use? (MATERIALS)

What things did I change (VARIABLES) and what did I keep the same (CONTROLS)?

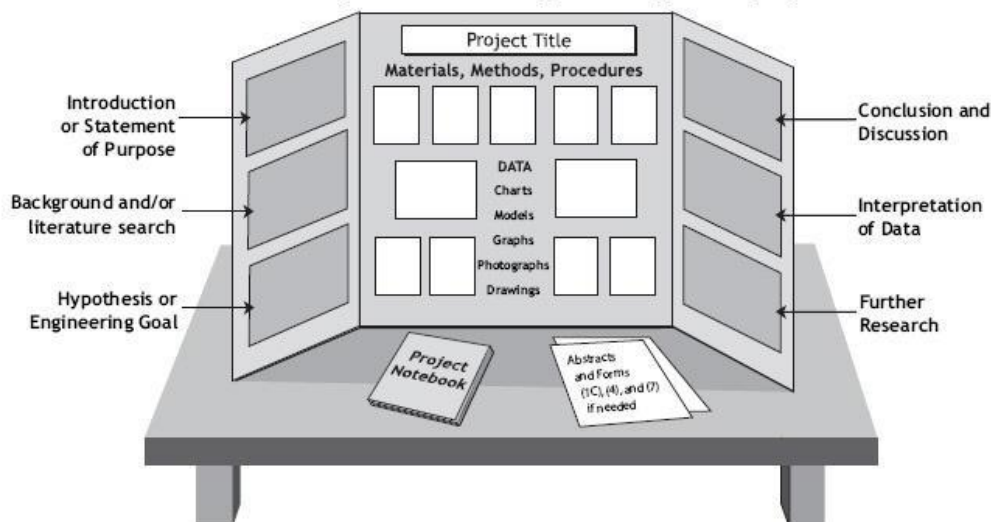
What happened as a result of what I did? (RESULTS/DATA)

What is the answer to my question? Based on my experiment does it match my hypothesis? Why or why not? (CONCLUSION)

Please do not get intimidated! There are hundreds of project ideas online. The purpose of this fair is get the kids wondering, experimenting and having fun with science!

An example display is below, but students are encouraged to be creative and submit their own designs.

Material Normally Included on a Typical Project Display Board



Children's Museum's Science Fair Project Evaluation

Student's Name _____ Project # _____

Project Title _____

Grading scale:

1: Below minimal expectations

3: Exceeds minimal expectations

2: Meets minimal expectations

4: Excellent overall

5: Above and beyond expectations

Knowledge of Scientific Process

Overall Oral Presentation of knowledge:

1 2 3 4 5

Student should:

- Demonstrate knowledge of project and communicate clearly
- Gives the audience the "I know what I'm talking about" feeling

Problem or Question: A plan for investigation is clearly stated in the form of a question or a statement

1 2 3 4 5

Prediction/ Hypothesis: Student explains their expected answer to the question or problem

1 2 3 4 5

Procedure:

- Sequence of easy to follow, detailed, clear, steps to do the experiment or build project
- Student is able to explain the procedure and why they did each step.
- Student shows creativity in experimental design

1 2 3 4 5

1 2 3 4 5

1 2 3 4 5

Data:

- Clear written description of the findings from testing the hypothesis or effectiveness of the invention
- Organized charts, tables, illustrations or photographs
- Records to show how raw data was collected

1 2 3 4 5

1 2 3 4 5

1 2 3 4 5

Research: Bibliography showing evidence of research

1 2 3 4 5

Presentation / display:

- Neat and organized poster or trifold about the experiment
- Good spelling and grammar
- Student showed ingenuity and care with visual design

1 2 3 4 5

1 2 3 4 5

1 2 3 4 5

Bonus points for extraordinary effort, ingenuity or innovation – Award up to 2 extra points if warranted

1 2

Please note any special considerations you may have on this project

Total points