



# P.S. 59

## WILLIAM FLOYD ELEMENTARY

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Cherry-Ann Joseph-Hislop, Ed.D., Principal  
Zachary Mack, Assistant Principal

May 1st, 2022

Dear Parents/ Guardians of students in grades 3-5,

As we approach the end of this school year we are excited for the upcoming Science Fair. A science fair is a **competitive event, hosted by schools worldwide**, where students present research or experiments that they have conducted. This year the students' expectations and requirements will be based on grade level K-3 and 3-5. The majority of the projects will be done in the classroom but the actual research or the experiments must be conducted at home.

I have spoken with your child at length about the requirements and expectations so he/she will be able to speak more on it. Here are a few things that you should know that will make this a positive experience for our students.

- ❖ There are about 5 weeks remaining before the science project is due.
- ❖ The deadline for submission of projects is June 10th.
- ❖ The experiment portion of the project, which will be completed at home should not be delivered to the school until June 9th or 10th.
- ❖ Families must purchase a tri-fold science board to which they will add their research results.
- ❖ All students grades K-5 are required to participate in the science fair.
- ❖ The majority of the work will be completed in school.
- ❖ Students in grade 3 will choose whether they want to complete research in the K-3 group, or use the scientific method in the 3-5 group.
- ❖ Students may choose one of the topics included for the grade or choose one on their own where they will learn something new.
- ❖ Siblings may work together if they are in the same grade band (K-3 or 3-5) but not across bands, because the expectations are quite different.
- ❖ Your child may work with one class mate providing each one completes his/her fair share of the work.
- ❖ A list of possible topics and specific areas for research is included in this packet.
- ❖ We understand that parents and other family members will be excited to lend a hand with this project, but we must ensure that the child is doing the majority of the learning as the project proceeds.
- ❖ Email [msealy7@schools.nyc.gov](mailto:msealy7@schools.nyc.gov) if you have any questions.
- ❖ Check out the school website [www.ps59.org](http://www.ps59.org) for copies of this packet and links to sample projects.

Ms. Sealy

Science Teacher



## 3-5 Projects are due by June 10<sup>th</sup>, 2022

(dropoff between 6/9 & 6/10)

Here is what a tri-fold board looks like. They can be purchased at Target, Walmart, Staples, and other stores that sell school supplies including Dollar Tree, and Family Dollar. \*\*\* Get your board early\*\*\*\*



1)



2)

- 1)-Tri-Fold Self-Standing Project Display Board, 36x48 (k-5)  
 2)-Guideline Mini Foam Project Display Board, 18x24 (k-5)

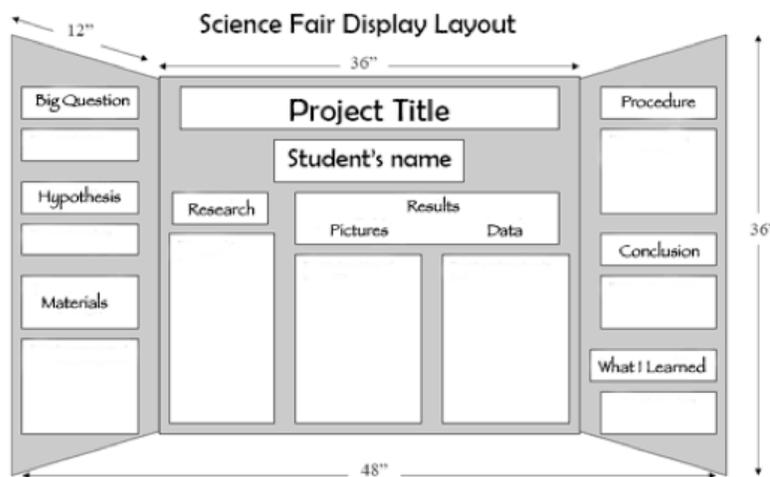
### Grades 3- 5 ~ Scientific Method

Do	Don't
<b>Do test a hypothesis.</b> For example: I think that _____ is better than _____. I think that plants would grow better if _____.	Don't recreate something you did a few years ago; don't buy a science fair kit.
<b>Do begin with a question. Here are a few sample questions:</b> Does music affect animals' _____? Does the color of _____ affect whether or not we like them? see pages 3-9	Don't create an exhibit that shows your favorite toys or favorite foods.
Do use a display board shown at the beginning of this packet	<b>Don't</b> present your work in a notebook or written on loose leaf paper.
Do ask your family for help	<b>Don't</b> have your family do the entire project for you. You must be able to describe your project in detail in order to be considered for a prize.
Do google and use other topics if you do not want to use any of the 200 included in this packet	<b>Don't</b> copy a project from the internet. You will be asked about your science project.
Do work independently or with ONE classmate or sibling. However, you may only work with your sibling if you are both in K-3 or 3-5. <i>For example a 5th grader with a Kindergarten sibling cannot work together as the depth of the work is significantly different.</i>	<b>Don't</b> work with more than one classmate. Your project will be disqualified if you work with more than one classmate.

## SCORING

In Grades K-5, the 3 projects with the highest scores based on criteria/ scoring guide will be chosen from each class as the bronze, silver, and gold medal winners. The 3 students with the highest score overall in grades K-3 and 3-5 will receive an additional prize. 4th and 5th graders who excel in Science class and have no siblings involved in the competition will grade these projects. The staff will grade 3-5th grade Scientific method projects. The rubric that will be used to grade the projects will be sent home.

### Grade 3-5 -Lay out your Scientific Method project this way.



## The Scientific Method

<p>1. <b>QUESTION</b>~Ask yourself, “What do I want to learn more about?” or begin a statement with, “I wonder what would happen if.....”</p>	<p>2. <b>HYPOTHESIS</b>~ Answer your question here. Make an educated guess about your question.</p>
<p>3. <b>EXPERIMENT/PROCEDURE</b>~ Test your hypothesis. Create a plan/experiment to see if your answer is correct.</p>	<p>4. <b>RESULTS</b>~ What happened during the experiment. Collect the data. Write/type it all down. Create a chart or graph that shows what happened. Take pictures</p>
<p>5. <b>ANALYZE/CONCLUSION</b>~ Use the data to draw a conclusion about the experiment and to determine if your hypothesis was correct.</p>	<p>6. <b>SHARE RESULTS/WHAT I LEARNED</b>~Explain your results. If your hypothesis was correct what is your followup question that relates to this experiment. If your hypothesis was incorrect what could you have done to get a correct hypothesis? How could you change the experiment to secure a correct hypothesis?</p>

**Projects are due by June 10<sup>th</sup>, 2022**