



P.S. 59

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Cherry-Ann Joseph-Hislop, Ed.D., Principal
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May 1st, 2022

Dear K-3 Parents/ Guardians,

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 if you have any questions.
- ❖ Check out the school website www.ps59.org for copies of this packet and links to sample projects.

Ms. Sealy

Science Teacher



K-3 Projects are due by June 10th, 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)

1) Tri-Fold Self-Standing Project Display Board, 36x48 (k-5)



2)

2) Guideline Mini Foam Project Display Board, 18x24 (k-5)



3)

3) Macrame Project Board 12"X17.5" (K-2 only)

K-3 Research/Display Method

Do	Don't
Explain a concept. Use words, diagrams, pictures, drawings to explain what you have learned.	Don't copy a project from the internet. You will be asked about your science project.
Do use a display board shown at the beginning of this packet	Don't present your work in a notebook or written on loose leaf paper.
Do ask your family for help	Don't 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	Don't 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>	Don't 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.

K-3rd Grade Research Topics and Specifics.

TOPIC	SPECIFIC AREA
1-FARM ANIMALS	Choose any 2
2-HOMES AND HABITATS	Choose 3- lake, barn, pasture, birdhouse, coral reef, pond, forest, cage, cave
3-HUMAN BODY	Choose 1 system- skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and the reproductive system
4-INSECTS AND SPIDERS	Choose any 2.
5-LIFE CYCLE	Both plant and animal
6-OCEAN ANIMALS	Choose any 2
7-SCIENCE TOOLS	Choose 5- funnel, balance scale, binoculars, beakers, stopwatch, petri dish, test tubes, measuring cup, thermometer, microscope, scale, magnifier, magnet, goggles, gloves
8-SIMPLE MACHINES	Choose 3- Simple machines - wheel and axle, inclined plane, wedge, lever, screw, pulley, pulley with hook
9-SPACE	Choose 4- planets, earth, skylab, comet, sun, satellite, solar eclipse, lunar rover, astronaut, stars, space telescope, space shuttle, craters on the moon
10-WATER AND LANDFORMS	Choose 2- types of landforms - sand dunes, rapids, streams, marsh, lakes, desert, island, volcano, prairie, waterfall, iceberg.
11-WEATHER	Choose 2- types of natural disasters - tornado, tsunamis, hurricane, drought, storm, flood
12-WILD ANIMALS	Choose 3- fox, leopard, monkey, kangaroo, gorilla, cougar, grizzly bear, peacock, koala, panda, deer, or any other wild animal.

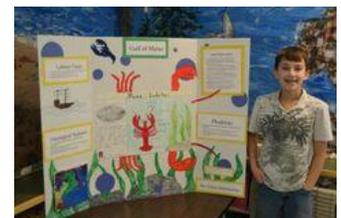
Choose one of the 12 topics above. Then choose specific areas that you would like to research. For some topics you must do research on 2 specific areas of your choosing, while for others you must choose 3 specific areas. For science tools you must choose 5 of them to research and for Space you must write about 4 specific areas. Since the types of systems in the body can yield much more research, you should only choose 1 and for life cycle research both plant and animal life cycles.

Your research must include each of the following:

1. Title
2. Introduction to the **TOPIC** with references to each **SPECIFIC AREA**
3. Research on each specific area
4. Noticings - Information that you found to be interesting, strange, funny,
5. What's new - Things you never knew before.
6. Conclusion
7. Glossary
8. Bibliography
9. Charts
10. Captions
11. Labels
12. Pictures

Do not **plagiarize**. You must give credit to any text, book, or website that you use to secure your information. Additionally, unless you are quoting directly from the text, the research must be written in your own words.

Display your work in an orderly and neat manner



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