Badr Islamic School
Empowerment through Education

539 Bergen Ave,
Jersey City, NJ 07304

201-435-1075
info@badrschool.org

Badr School Annual Science Fair 2025

10/15/2025

Subject: It's Science Fair time again (12/17-12/18)!

Assalamualaikum Parents and Guardians,

We are excited to announce that this year's **Annual Badr School Science Fair** will be held on **December 17 and December 18** (12/17/25-12/18/25)!

This fair is a highlight of our academic year, offering students a hands-on opportunity to explore **Science, Technology, Engineering, and Mathematics (STEM)**. It helps students develop **critical thinking**, **problem-solving skills**, **confidence**, and **curiosity**.

Participation is mandatory for all students **(Pre-K through Grade 8)**, and a school grade will be given. Projects for **Grades 2 through 8** must be **completed at home** with no regular class time dedicated to them. Projects for **Grades Pre-K to 1** will be **completed in the class with their teachers**, and more information about their group project will be provided by their respective teachers. Project ideas for older grades must be **approved by the child's Science teacher**.

We encourage every student's effort, and prizes will be awarded for the **top projects** in each grade level, recognizing excellence in research and presentation. Plus, projects with the **highest grade** will have the opportunity to be part of **Hudson County Stem Showcase**.

We are incredibly excited to see the innovative work our students will produce this year. We look forward to celebrating their hard work and achievements at the Science Fair!

Sincerely,

Badr School Administration

P.S. Following are **important** Science Fair details regarding timeline, parental support, topic submission, grading criteria, display board content and layout and a simple guide to scientific method.

Kindly **read them thoroughly!**

Science Fair Timeline

To help you and your child plan, please note the **Science Fair Timeline** below for important submission dates.

🔎 **IMPORTANT**🔍 **Science Fair Timeline**

Date	Details
10/23	Topic Submission
11/20	Experiment Completion
12/04	Project Report Due
12/11	Poster Boards Due
12/17-12/18	Project Presentation (Science Fair Day)

👉**SPECIAL NOTE:**

- ★ Students should **NOT** have their names written on the front of their display board. Each student will be given a number to attach to their board.
- ★ If the student chooses to bring in his/her experiment: **a)** It must be contained in a shoebox or a plastic container of similar size; **b)** It should be brought in on the day of Science Fair.

● Parent's Role

Parental support is very important for a successful project. Below are some **suggestions** to guide you in your role regarding your child's science fair project.

- Help your child select a project that is feasible to accomplish within the given timeframe.
- Assist your child in finding the materials for the project such as research sources, building supplies, and display materials.
- Offer support and assistance as your child is working on the project. Please, however, *refrain* from taking over and doing the project!
- Encourage your child to work on the project on a regular basis to avoid waiting until the last minute.
- Ensure your child practices good safety procedures.
- Assist in the construction of the display board and in its transportation to school on the day it is due.

● Science Fair Topic Submission Form

Due by 10/23/25

Assist your child in choosing a Science topic of their interest. Have them fill in the form according to the given prompt.

Student's Name: _____ Grade: _____	Date: _____ Points: _____ / 10

Science Project Title:

_____

_____

Briefly describe your experiment: _____

_____

_____

_____

_____

Student's Signature: _____

Parent's Signature: _____

● Science Fair Project Grading Criteria & Display Board Content

Each **bold term** should be clearly visible and labeled on the display board.

- _____ **Project Title** in large print at the top center clearly visible on Front of board
- _____ State the **Problem** you meant to solve OR the **Purpose** of your project
- _____ **Research** about the topic in a clearly labeled *folder* by the display board that includes gathered information, notes, source citations, etc.
- _____ Clearly stated **Hypothesis** (an educated guess about what might happen)
- _____ Clear and concise **Procedure / Test** with steps of the experiment listed
- _____ List of **Materials** used
- _____ **Data Collection** illustrated using visuals (charts, graphs, tables, pictures, models, or drawings)
- _____ Recorded **Results**
- _____ Given **Conclusion**
- _____ Overall presentation: neat, organized, creative, free of grammatical errors, etc
- _____ Oral Presentation
- _____ Completed Science Fair Topic Submission Form

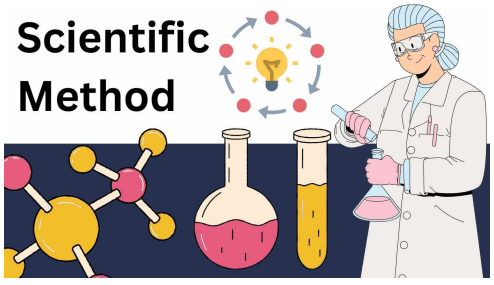
➔ _____ Total Points (out of 120)

➔ _____ Percentage (%)

➔ _____ Letter Grade

● Guide to the Scientific Method

Category	Explanation
QUESTION	Answer the question: What do you want to learn? Select a project topic. Come up with a question that your experiment will answer.
RESEARCH	Find out as much about your topic as you can. Use reference materials from verified printed and electronic resources. Keep all information that you find in a folder.
HYPOTHESIS	Predict an answer to your question. What do you think the outcome will be?
MATERIALS	List and gather all the materials you will need to complete the experiment.
PROCEDURE/TEST/EXPERIMENT	Test your question by doing an experiment. Ask yourself, *"What kind of test can I design to confirm what I think will happen?"* List the steps of the experiment so another person could repeat it.
DATA	Record your data using charts, graphs, photos, etc.
RESULTS	Record what happened during the experiment in a paragraph form.
CONCLUSION	Share your results and what you found out. Answer your question. Was your hypothesis correct? What could you have done differently?



- **Science Fair Display Board Layout**

Problem/ Purpose
State the problem you meant to solve.

Hypothesis
State your hypothesis.

Procedure
Explain the experiment you did. What? How? Why?

Project Title

Data & Graphics
Display your data and pictures in this area.
Graphics are very effective for explaining results.

Results
What did you learn from your work? Explain your data.

Materials
List what you used to conduct your experiment.

Conclusions
Was your hypothesis right or wrong? Can you make a new one?