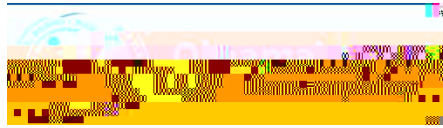


# 2024-2025 Science Fair and S.T.E.A.M EXPO Guidelines

# Barack H.Obama Magnet Elementary School

750 N Congress St.



October 14<sup>th</sup>, 2024

Dear Parents/Guardians:

Our Science Fair and STEAM Expo Preparations are underway. We are asking all of our scholars, K through 5 to participate in the school level science fair!

This packet includes information you need to prepare for the event. Included in this packet you will find schedules & timelines, regional eligibility requirements, categories of competition, science fair terminology, project board components, science fair projects to avoid, how to write an abstract, what to include in your research report and research log, the judging rubric, what should be included in your proposal, website resources and more!

Project proposals are due **November 8 2024**.  
Science fair projects are due **January 17, 2025**.

Please note, **Kindergarten** projects are not accepted at the *Regional* competition hosted by Jackson State University in March; however, they can participate in the school-level (January 2025) and district-level fairs (February 2025).

Please keep in mind that, if you choose to do an experiment involving human subjects and/or animals, additional paperwork will be required to compete at the regional level.

If you have any questions, please email them to [fsheriff@jackson.k12.ms.us](mailto:fsheriff@jackson.k12.ms.us) or [thale@jackson.k12.ms.us](mailto:thale@jackson.k12.ms.us) . We are looking forward to an exciting science fair!

Felicia Sheriff and Tarsha Manning  
Science Fair Coordinator

## 2024-2025 Science Fair Project Schedule

To complete your project on time, you must adhere to the schedule!

Week Of	What should you be working on?	Due Date
10/14 - 10/17	Students will receive a thorough handout of guidelines for the Science Fair. Checkpoint #1 - Think of something you enjoy well enough to want to know more about it. Can you do an experiment on it?	October 17
11/4 - 11/8	Checkpoint #2: Proposals are due by November 8 <sup>th</sup> .	November 8
11/11 - 11/22	Checkpoint #3: Science Fair Coordinators Will Approve or Modify Proposals due by	

Science Fair and STEAM Expo competition on Saturday,  
February 15, 2025, from 9:00 a.m. – 1:00 p.m.

Please Note: 1<sup>st</sup> – 5<sup>th</sup> Grade Winners who place 1<sup>st</sup> – 3<sup>rd</sup> at  
School-level Science Fair can advance to the Regional

Research ○











**Congratulations on your science fair proposal being accepted!**

Your hard work and creativity have truly paid off, and this is just the beginning of an exciting journey. Best of luck as you bring your project to life!

Project Board Requirements

*Only standard sized tri-fold boards are allowed to be used.*

*Small tri-folds or oversized boards will be disqualified.*

Display Board	<ul style="list-style-type: none"> <li>○ The goal of the display board is to attract and inform spectators and judges.</li> <li>○ The display needs to reflect current year's work only.</li> <li>○ A good title that grabs spectators and judge's attention.</li> <li>○ Photographs of the experiment are encouraged, however, only the sides of faces should be shown.</li> <li>○ Organize your board in a logical order.</li> </ul>
Project Logbook	<ul style="list-style-type: none"> <li>○ A project book is accurate and has detailed notes of your experiment from beginning to end.</li> <li>○ The more specific and detailed the better.</li> </ul>

4. Help with the transportation of the project to and from school.
5. Ask questions.
  - A. Can your child describe his or her research project to you?
6. Help your child obtain the materials needed for the project.
7. DO NOT do your child's project yourself! Your child will not learn what he/she is supposed to learn and may be unable to handle the judging process.
8. MAKE SCIENCE COMPETITION FUN! Join with other science fair parents and plan events to assist your child in preparing and attending the science fair.

## How to Write an Abstract

1. Write an opening sentence or two that comes from your research/ introduction that overall covers your project.
- 2.

devices. My hypothesis was that Energizer would last the longest in all of the devices tested. The experimental results supported my hypothesis by showing that the Energizer performs with increasing



Congratulations on having your SCIENCE FAIR PROJECT SELECTED for the school level science fair!

Your hard work, creativity, and dedication truly shine through your project, and it's a remarkable achievement to have it recognized. This is just the beginning of an exciting journey—best of luck as you prepare to showcase your innovative ideas and inspire others! Attached you will find a judging rubric and questions judges may ask.

### Questions You Should Be Able to Answer

1. Where did you get this idea?
2. What research did you do?
3. What was your hypothesis? Why did you think that would happen?
4. What were your independent and dependent variables?
5. What did you measure and how?
6. How did you calculate that result?
7. Why did you choose that amount, (or measurement, or piece of equipment, etc.)?
8. How did you replicate the experiment?
9. What does that graph tell you?
10. Why/How are your findings important?
11. What would be the next experiment you would do?

12. What was the hardest part (or most fun, or most exciting, or most surprising, etc.)?
13. Who helped you?
14. If you had to do it all over again, is there anything you would do differently?

### Grading of Science Fair Projects (Total of 100 points)

Item(s)	Point Total
Title (6 pts max) Center of board Largest text by far on display Bold, attention grabbing Question (6 pts max) Starts with How, What, When, Who, Which, Why, or Where. Contains one variable that you can change in your experiment. Hypothesis (4 pts max) Written in the form of an "If... then ... statement. Materials (2 pts max) List all materials used Abstract (2 pts max) A brief summary of your science fair project final report.	20 points
Procedures <ul style="list-style-type: none"> <li>• Experiment Description</li> </ul> Data What 2	20 points

## Research Report

Title

Table of Contents

Abstract

Report text

Bibliography

## Logbook

Data

Dates / times





FRONT		BACK	
COVER PAGE		Page 1: Blank	
Page 2: Parent Letter		Page 3: Schedule	
Page 4: Website/Terminal		Page 5: [unclear]	
Page 6: Proposal	Page 7: Proposal		Page 8: BLANK
BACK		FRONT	
Page 10: Proposal (1st round/Abstract)		Page 9: Proposal Accepted (Round 1)	
Page 11: Abstract		Page 12: Abstract	
FRONT		BACK	
Page 13: Grant/Support/Estimate		Page 14: Blank	
Page 15: [unclear]		Page 16: [unclear]	





Failure to submit an SRC/IRB committee form by the November 30, 2024, deadline will serve as an indication that your school does not plan to participate in the 2024 Mississippi Science & Engineering Fair. Schools submitting incomplete forms (i.e., excluding the complete list of committee members) will be disqualified. Grades 1-6 are not required to provide SRC/IRB committee information IF *students will*