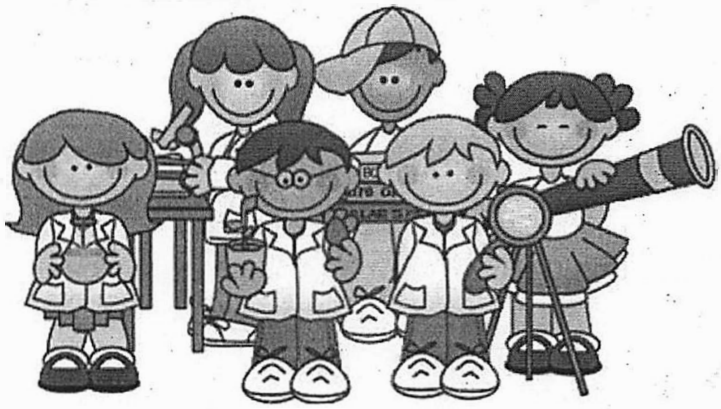
Jane S. Roberts K-8 Center Science Fair



September 15, 2023

Dear Parents/Guardians,

Jane S. Roberts is having its annual Science Fair! JSR has always maintained a rich legacy of science projects in past years, and we are excited to see what our junior scientists will create this year!

The students have been working on the Scientific Method in their classroom. Your child is now encouraged to develop his/her own problem-solving skills through what he/she has learned. Fourth and fifth grade students are expected to do individual projects. The project will be part of your child's Science grade. Students in Pre-K-3rd grade will do a class project with their teachers.

All projects must show an understanding of the Scientific Method. A detailed explanation of each section is in the Science Fair packet. All projects must be displayed on a science board in a specific manner with appropriate labels. Demonstration experiments, such as volcanoes are NOT investigation testable experiments and will not be accepted.

This project is to be done at home. It should reflect your child's interests and skills. As a parent you may ***assist*** your child, but the project itself must be the student's own work. The student must be able to present the project, explain the procedures and results, and answer questions about their project. It is required that all students go to the Jane S. Roberts website to access the Science Fair Packet at **www.JaneSrobertsk8.net**. Parents must sign the contract in the packet that went home with your child, understanding that you and your child have reviewed the Science Fair Packet in our school's website.

There will be a Science Fair parent workshop on September 20, 2023 from 5:30pm-6:30pm in the JSR Café informing parents on how to help their child. The PTSA will be selling science boards through the PTSA online store.

Projects must be submitted on December 5, 2023 (NO EXCEPTIONS). Students will be informed of important deadlines. If you have any questions, please feel free to call or write a note to your son/daughter's science teacher. We wish all our students the best of luck in this wonderful learning experience. In order for Science Fair Projects to be displayed in the Science Fair Showcase Parent Night on December 12, a score of 35 out of 52 possible points is required.

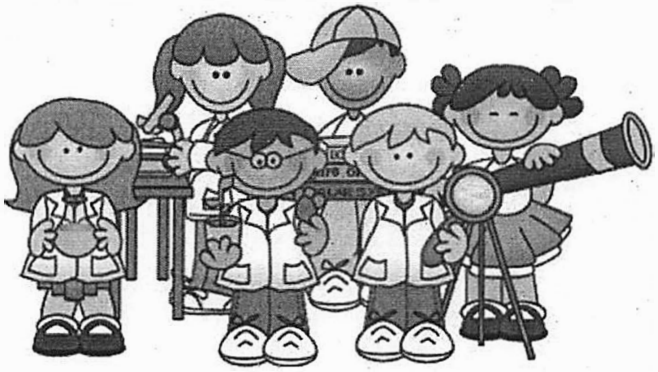
I have read and understand all of the procedures and requirements that my child needs in order to accurately complete the Science Fair Project. I also understand that deadlines must be met in order to receive full credit for this project. Additionally, I am aware that this project is due on **December 5, 2023, with no exceptions.**

_____	_____	_____
Student Name	**Parent/Guardian Signature**	**Date**

Homeroom Teachers Name _____

Thank you for your continued support,
JSR Science and Math Teachers

Jane S. Roberts K-8 Center Science Fair



15 de septiembre de 2023
Estimados padres/tutores,

¡Jane S. Roberts tendrá su Feria de Ciencias anual! JSR siempre ha mantenido un rico legado de proyectos científicos en los últimos años, ¡y estamos emocionados de ver lo que nuestros científicos jóvenes crearán este año!

Los estudiantes han estado trabajando el Método Científico en su salón de clases. Ahora se anima a su hijo a desarrollar sus propias habilidades para resolver problemas a través de lo que ha aprendido. Se espera que los estudiantes de cuarto y quinto grado realicen proyectos individuales. El proyecto será parte del grado de Ciencias de su hijo. Los estudiantes de Pre-K-3er grado harán un proyecto de clase con sus maestros.

Todos los proyectos deben demostrar una comprensión del Método Científico. Una explicación detallada de cada sección se encuentra en el paquete de la Feria de Ciencias. Todos los proyectos deben exhibirse en un tablero científico de manera específica con las etiquetas apropiadas. Los experimentos de demostración, como los volcanes, NO son experimentos de investigación comprobables y no serán aceptados.

Este proyecto se debe realizar en casa. Debe reflejar los intereses y habilidades de su hijo. Como padre, usted puede ayudar a su hijo, pero el proyecto en sí debe ser trabajo del propio estudiante. El estudiante debe ser capaz de presentar el proyecto, explicar los procedimientos y resultados y responder preguntas sobre su proyecto. Se requiere que todos los estudiantes vayan al sitio web de Jane S. Roberts para acceder al paquete de la feria de ciencias en www.JaneSrobertsk8.net. Los padres deben firmar el contrato en el paquete que se envió a casa con su hijo, entendiendo que usted y su hijo revisaron el paquete de la feria de ciencias en el sitio web de nuestra escuela.

Habrá un taller para padres en la Feria de Ciencias el 20 de septiembre de 2023 de 5:30 p. m. a 6:30 p. m. en el JSR Café para informar a los padres sobre cómo ayudar a sus hijos. La PTSA venderá tableros científicos a través de la tienda en línea de la PTSA.

Los proyectos deberán presentarse el 5 de diciembre de 2023 (SIN EXCEPCIONES). Los estudiantes serán informados de las fechas límite importantes. Si tiene alguna pregunta, no dude en llamar o escribir una nota al maestro de ciencias de su hijo/hija. Deseamos a todos nuestros estudiantes la mejor de las suertes en esta maravillosa experiencia de aprendizaje. Para que los proyectos de la feria de ciencias se muestren en la noche para padres de exhibición de la feria de ciencias el 12 de diciembre, se requiere una puntuación de 35 de 52 puntos posibles.

He leído y entiendo todos los procedimientos y requisitos que mi hijo necesita para completar con precisión el Proyecto de la Feria de Ciencias. También entiendo que se deben cumplir los plazos para recibir el crédito completo por este proyecto. Además, soy consciente de que este proyecto vence el 5 de diciembre de 2023, sin excepciones.

_____ _____ _____

Nombre del estudiante Firma del padre/tutor Fecha

Nombre del maestro de salón _____

Gracias por su continuo apoyo,
Profesores de Ciencias y Matemáticas JSR

Science Fair Investigation Student Checklist

Student's Name: _____ Homeroom Class: _____

Working Plan	Timeline Due Date	Parent's Signature & Date	Teacher's Signature & Date
1. Share letter & packet with parents. * • Select a category.	9/15/23		
• Return the Science Fair School Project and Proposal form. • Set up a Lab Notebook, if required.	9/20/23		
2. Identify the Problem Statement *Step 1.*	9/20/23		
3. Complete topic research *Step 2.* • Cite three or more Resources. • Form a Hypothesis.	9/22/23		
4. Design an Experiment *Step 3.* • List and Collect Materials. • Write Procedures. • Identify Variables/Control.	9/25/23 9/26/23 9/27/23		
5. Perform Experiment *Step 3.* • Collect Data. • Take pictures. • Create a graph.	10/18/23 10/20/23		
6. Analyze Data *Steps 4 & 5.* • Write Conclusion • Write Application.	11/8/23		
7. Write the Abstract & Bibliography *Step 6.*	11/15/23		
8. Complete the Science Fair PowerPoint **(mandatory for submission to District Science Fair).** Optional for classroom teacher	TBA		
9. **If required by the school or selected for the MDCPS Science Fair Expo**, complete the Science Board Display.	12/5/23		
10. Turn in Science Fair Project.	12/5/23		

*Access Science Fair Packet at janesroberts k8.net

Science Fair School Contract and Proposal Form

STUDENT'S NAME: _____ **TEACHER'S NAME:** _____

Investigation *or* Engineering/Invention Idea:

Science Fair Project Question Checklist	
✓ Can you find at least 3 sources of information on the subject?	Yes / No
✓ Can you design a "fair test" to answer your investigation question or solve your problem?	Yes / No
✓ Did you read the science fair rules? Is your experiment/ engineering/invention safe to perform?	Yes / No
✓ Will you be able to obtain all the materials and equipment you need for your ✓ science fair project quickly and at a very low cost?	Yes / No
✓ Do you have enough time to complete your experiment/ engineering/invention and repeat it at least 2 more times before the school science fair?	Yes / No

I have discussed the project problem statement/engineering/invention idea and the checklist with my parent(s), and I am willing to commit to following through on this project. I further understand that failure to comply with the rules outlined in this guide will affect my final project grade.

_____

Student's Name and Signature **Date**

I have discussed the project problem statement/engineering/invention idea and the checklist with my child, and I believe he or she can follow through with this project. I further understand that failure to comply with the rules outlined in this guide will affect his/her final project grade.

_____

Parent's Name and Signature **Date**

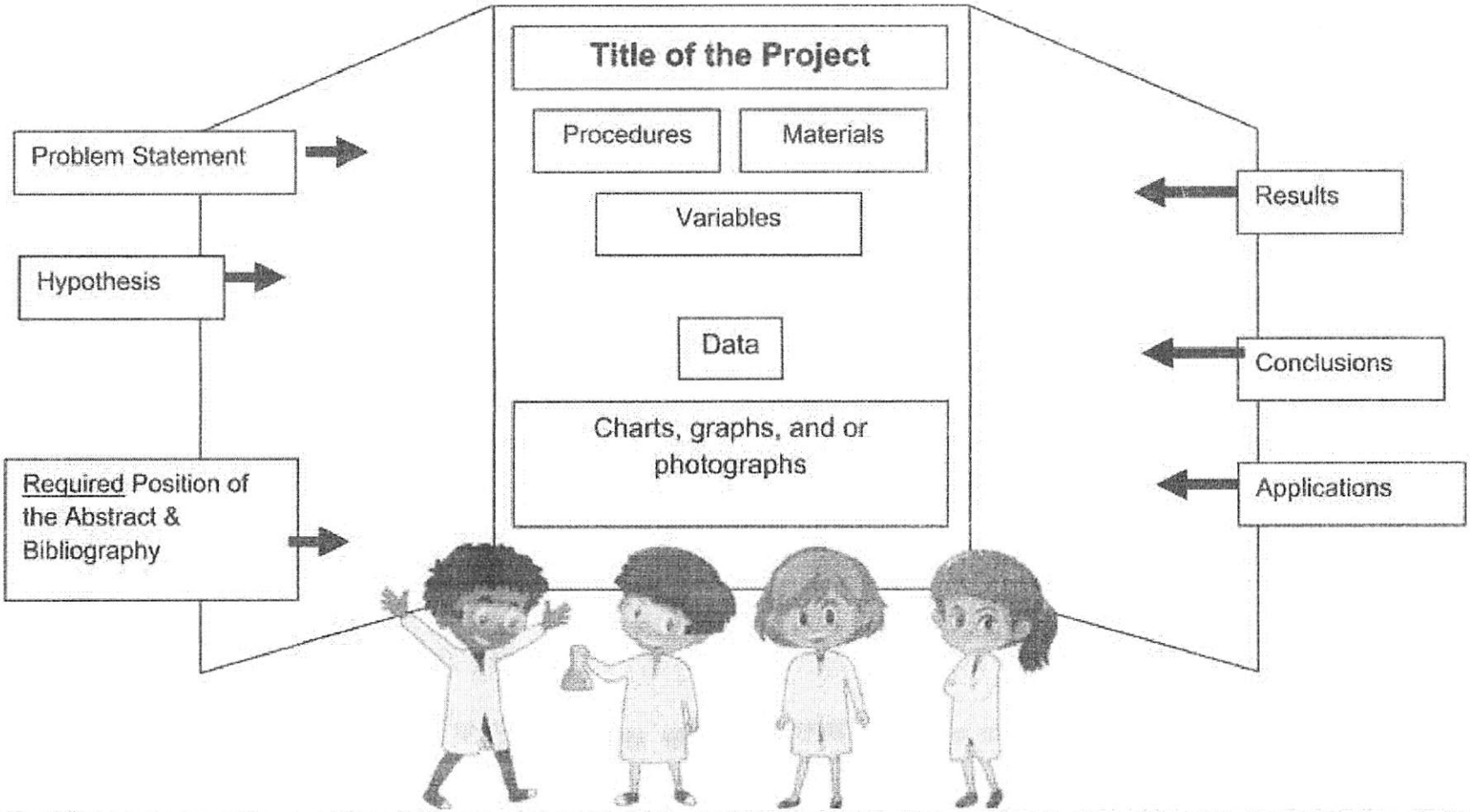
I have read the proposed Science Fair Project for the above-named student and have approved his/her proposal.

_____

Teacher's Name and Signature **Date**

Elementary Science, Mathematics, Engineering, and Invention Fair

Board Set-up for an Investigation Project



A physical board may be required for your school's Science Fair. For judging for the District Science Fair, a PowerPoint is required. A physical board is only needed if your project is selected for display.

Investigation Project Exhibit and Safety Display Guide

- Keep the exhibit neat, uncluttered, and to the point.
- All posters, charts, etc., must be attached to the science fair board.
- No part of an exhibit may be attached to walls or tables.
- The science fair board must be self-supporting (FREE STANDING).
- Be sure to make everything sturdy so it can be safely transported. Fasten/glue everything well.
- The science fair board displays your project. Use attractive lettering and designs.
- Use one-color printing to avoid confusion.
- Spell correctly. Your name and school name should go on the back of the board.
- The main points should be large and simple. Details must be clear and legible from three feet away.
- The **abstract and bibliography** must be placed on the board's lower left-hand corner (as you face the board).

EXHIBIT SPACE: Maximum size is Width: (side to side) 92 cm (36 in) Depth: (front to back) 76 cm (30 in) Height: Table Exhibit 92 cm (36 in)

Elementary Safety Display Guide:

- Anything hazardous to the public, the exhibitor, or other exhibitors is **PROHIBITED**.
- Nothing sharp or pointed should be attached to the board.
- **No** plants may be displayed, **(Reminder: No fungi, mold, algae, or bacteria were allowed to be part of the experiment.)**
- No chemicals of any kind may be displayed. **No** prescription drugs or dangerous and illegal substances were allowed as part of the experiment.
- No flammable substances may be displayed.

An alternative solution to displaying any of the above items ***allowed*** as part of the project is to take photographs of the substances used or use a digital camera and create large pictures with a computer printer for display on your board. ***No people's faces or identifying parts (like the school name on a shirt) may be displayed in photos.***

The classroom teacher or the school's Science Fair Committee will inspect all projects for adherence to Science Fair Safety Rules. Failure to follow these rules will be grounds for disqualification from the school and/or District Science Fair.