



Fairview Aerospace and Science Magnet School



Science Fair Planning Guide

2015/2016

This guide belongs to:

Science Fair Parent Letter

Dear Students and Parents:

It's time to start working on Fairview Elementary Aerospace and Science Magnet School's Science Fair! The **Science Fair** will be held on **January 28, 2016**, and a **science workshop** will be held on **December 8, 2015, from 4:30-5:30p.m.** The science workshop will be a fun hour of hands on experiments led by students from the Mississippi School for Mathematics and Science. Enclosed is a schedule outlining due dates and important information regarding your child's project. Ample time has been scheduled and work has been spread out, so students can complete the work at a comfortable pace.

This is a **major** project and will represent a **significant portion** of your child's grade for the next grading period and **mandatory** for students in grades **2-5**. Students in grades K-1 can complete a class project or individual board if they would prefer. Display boards will be available in the school's office for a fee of \$5.00.

The primary objective of this project is to have students approach a problem scientifically. This includes:

1. Asking questions and forming hypotheses
2. Creating experiments to test those hypotheses
3. Organizing data and drawing conclusions
4. Writing about scientific research

The project must be **experimental** in nature as opposed to research oriented. In other words, students must do a test, survey, or experiment to determine the answer to their question instead of just looking it up in a book. We encourage students to pick topics that they are genuinely interested in, since they will be working on these projects for the next several months. Topics must also be "**original**" - something students do not already know. Please note that students **cannot** do any experiments on **humans, animals, mold, or eggs**.

Project guidelines state that all work must be done by the students; however, assistance may be provided by teachers, parents, etc. It is very difficult to work alone without the exchange of ideas, so we encourage you to brainstorm with your child on different ideas and possible topics your child may want to pursue. Please take a moment to review all the attachments with your child in order to generate topic ideas.

We are looking forward to working with you to make this a valuable learning experience for your child.

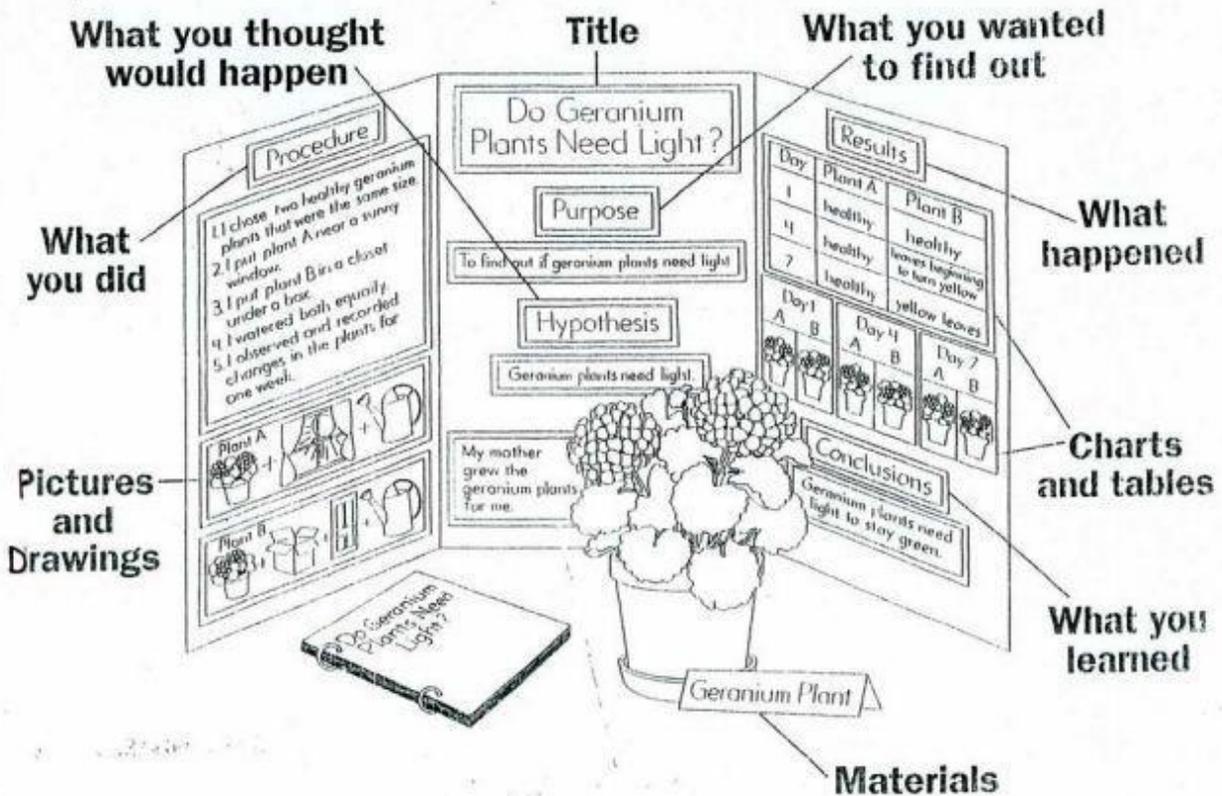
Sincerely,

Billie R. Smith, Principal
Mildred Ford, Curriculum Coordinator
Science Fair Committee

Science Fair Categories:

- Behavioral & Social Sciences
 - Biochemistry
 - Botany
 - Chemistry
- Earth, Space, & Environmental Sciences
 - Engineering, Computers, & Math
 - Medicine & Health
 - Microbiology
 - Physics
 - Zoology

Science Fair Display Board Guide



SCIENCE FAIR PERMISSION FORM

**DUE NO LATER THAN
Wednesday, DECEMBER 16, 2015**

PLEASE RETURN YOUR FORM TO YOUR TEACHER
ONLY STUDENTS WHO REGISTER ON TIME WILL BE PERMITTED TO PARTICIPATE IN THE SCIENCE FAIR

GRADE LEVEL _____

HOMEROOM TEACHER _____

*STUDENT NAME _____

**PROJECT TITLE _____

DESCRIPTION _____

***All parents must sign and approve their child's Science Fair Project.**

I acknowledge that I have received and reviewed the materials for the Science Fair and I am aware that my child is required to complete a Science Project.

I have approved and given permission for my child _____ to participate in this year's Science Fair.

Student's Signature _____ Date _____

Parent's Signature _____ Date _____

Teacher's Approval of Project: **Please Conference with your Teacher about Project**

Teacher's Signature _____ Date _____



Scientific Method

Question

What do you want to learn?

Hypothesis

Take a guess on what you think the answer to your question might be.

Materials

List the materials you will need to complete the experiment.

Experiment

Test your question by doing an experiment.

Results

What happened during the experiment?

Conclusion

Discuss your findings and answer your question.