

January 2020

Dear Students and Families,

At this time each year, we begin to explore our various interests and passions about science. Our annual Science Fair is an opportunity to develop and test questions you have about the world around you. We conduct the fair in conjunction with the Brookhaven National Lab Science Fair. **It is mandatory that ALL of our 5th grade students participate in the science fair because the 5th grade curriculum revolves around the scientific method.** Since the scientific method is best learned through projects and experiments, the science fair project is an integral part of the children's learning process. Students will be presenting their projects to their classmates beginning March 4th and displaying their experiment in the large gym on March 9th. Please make sure all projects are handed in on time.

Enclosed in this packet, you will find many ideas and websites for science fair projects to aid in the decision making process. You will also find a sheet with suggested science fair formats.

Remember your teachers are here to provide support through this process. We look forward to some interesting and exciting projects!

*** Important Dates ***

- | | |
|----------------------------------|---------------|
| ** Project title submitted by: | February 7th |
| ** Project outline submitted by: | February 14th |
| ** Project due date: | March 4th |
| ** Science Fair: | March 9th |

Student Signature _____

Parent/Guardian Signature _____

****Forms are included in enclosed packet.**

Science Fair Project Proposal

Name: _____ Date: _____

The following is a proposal for my science fair project:

Title of the Project: Choose a title that describes the effect or thing you are investigating. The title should be short and summarize what the investigation will deal with.

State the Purpose of the Project: What do you want to find out? Write a statement that describes what you want to do. Use your observations and questions to write the statement.

*Return this completed proposal by February 7th *

Student's signature _____

Parent's signature _____

Teacher's signature _____

Science Fair Project

*Outline Due February 14th

Project Title _____

Purpose: _____

Hypothesis: _____

Materials:

| | | |
|--|--|--|
| | | |
| | | |
| | | |

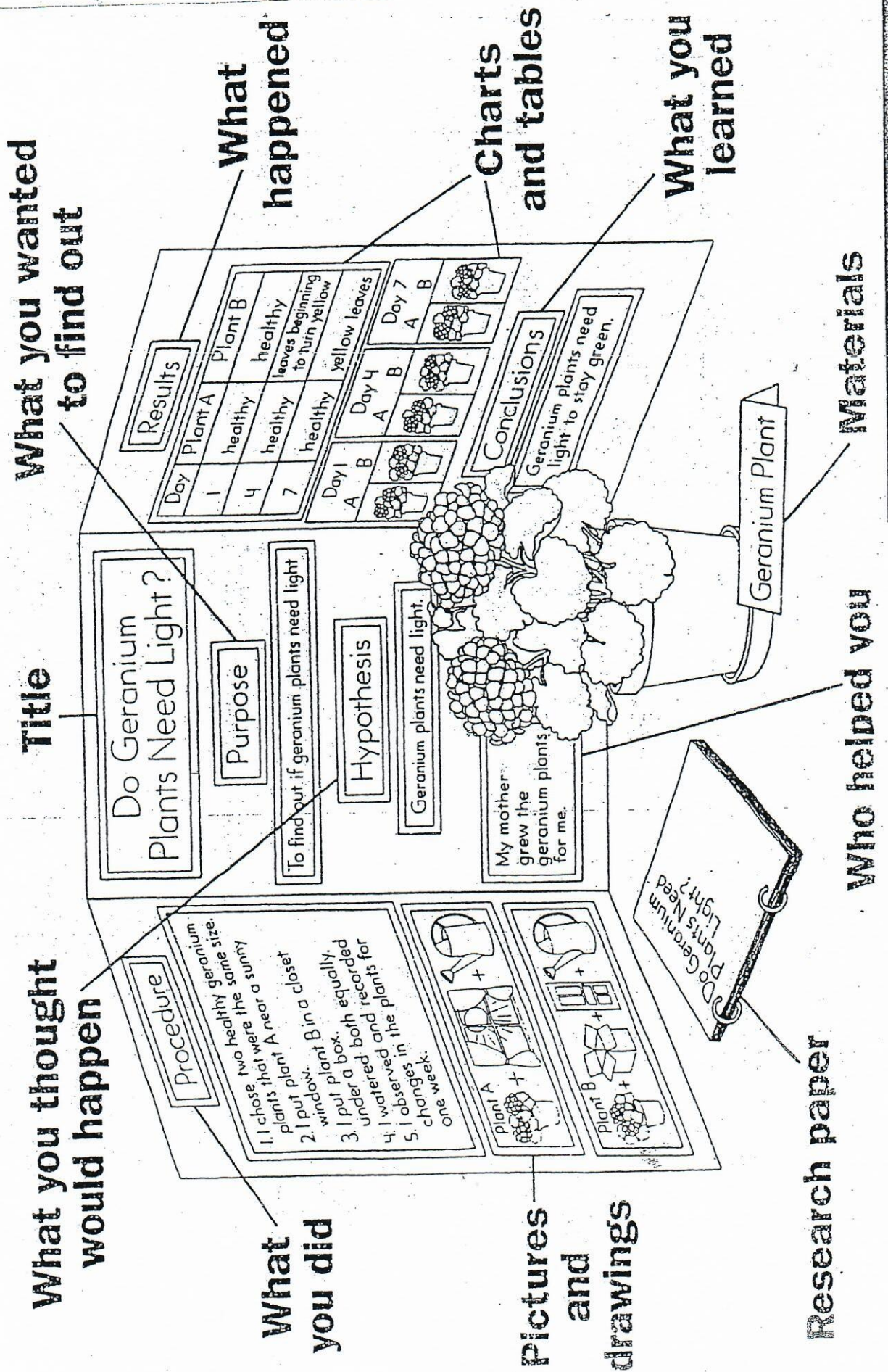
Controlled Variables:

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Manipulated Variable - _____

Dependent Variable - _____

Displaying a Science Fair Project



Independent Variable

The variable that is purposely changed in an experiment.

Controlled Variable

Factors that are all kept the same except for the variable changed.

The factor that may change as a result of the variable being tested.

Dependent Variable

Science Project Websites

1. <http://www.sciencekids.co.nz/experiments.html>
2. <http://www.sciencebob.com/experiments/>
3. <http://pbskids.org/dragonflytv/scifair/>
4. <http://www.all-science-fair-projects.com/>
5. <http://kids.usa.gov/science/science-fair-projects/index.shtml>
6. <http://www.education.com/science-fair/>
7. <http://www.hometrainingtools.com/science-fair-projects/c/1114/>
8. <http://www.scholastic.com/teachers/article/40-cool-science-experiments-web>
9. http://www.sciencebuddies.org/science-fair-projects/project_ideas.shtml
10. <http://explorable.com/kids-science-projects>

Video Clips of the Five Steps to a Good Science Project
<http://www.jpl.nasa.gov/education/sciencefair/>