

Franklin Elementary school

Science Festival

Saturday 27th April 2024 from 2pm to 5pm

We are pleased to announce our 3rd annual Science Festival at Franklin Elementary School! The Science Festival will include a Science Fair and Science Demonstration!

Science Fair

Students have the option to present a science project, and display it by a trifold cardboard which will be provided.

[Sign up for a Science Fair project:](#)

Monday April 1st until Friday April 5th we will have one of the Science Fair team at lunch, so students will have the opportunity to discuss their potential Science Fair projects.

[Is it required to have a Science project to participate at the Festival?](#)

No, it is not required. Please join us with or without a project.

[Can family and friends join?](#)

Of course! Family siblings and friends are very welcome!

[Please find The Science Project Guidelines attached below for more details!](#)

Science Festival Demonstrations

There will be various Science demonstrations and hands-on experiments to explain scientific theories like magnetism, density, optics, mechanics, and electricity.

Science Project Guidelines

Getting Started!

Your project does not have to be complicated or use expensive materials. In fact, the best projects are simple. Keep it easy and just have fun.

Types of Science Fair Projects

1. COLLECTION

A collection study is a fun way to learn the proper names of a lot of objects. It involves collecting the objects, describing them, grouping them. Examples of a scientific collection might be leaves, insects, seashells, fossils, rocks, coins, or simple machines.

2. OBSERVATION

An observation study begins with the selection of a topic and a question that can be investigated by observing. Specific movements, behaviors, or actions in nature might be observed over a period of time, and once the observations are gathered, they are studied for patterns that will answer the question. Examples of observation might be ants' eating habits, pollination process, moon phases, family pet behavior.

3. MODEL

A model study may begin with a curiosity about how something works. It is a way to display the parts of something and what each part does to carry out a particular function.

4. EXPERIMENT

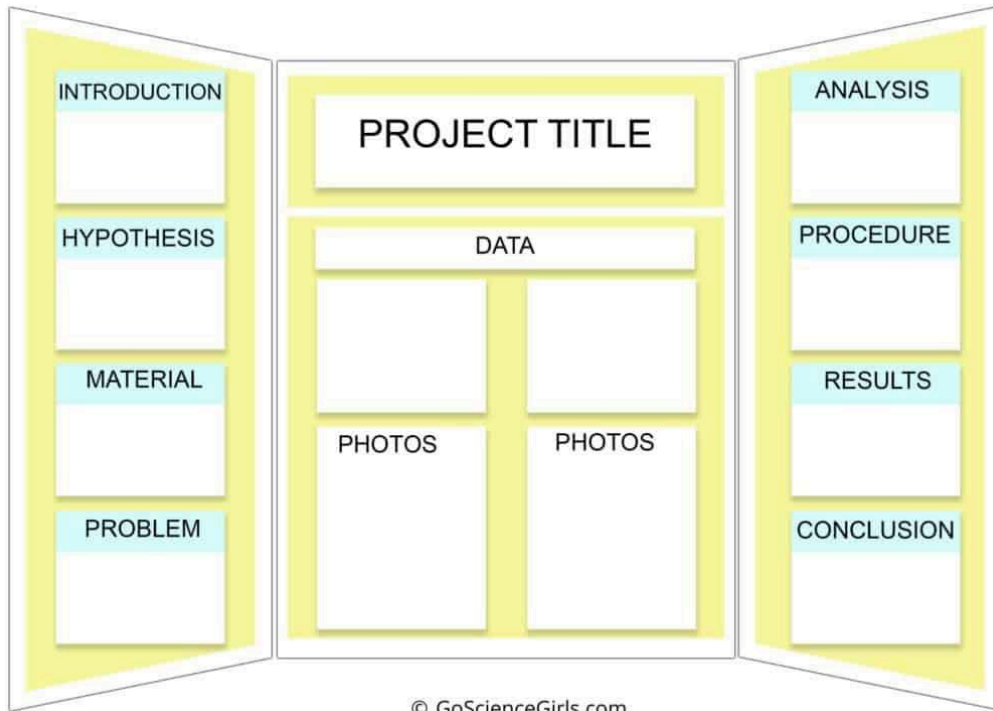
An experiment occurs when one variable (the independent variable) is changed. Another variable (the dependent variable) responds to the first and is watched. Other variables (constant variables) remain the same, or are unchanged, throughout the experiment.

5. INVENTION

An invention can be one of two things. First, it can be something or some process that has never been made or done before. The other type of invention is one in which a thing or process is modified in some way (for example, a better television, a better brake system in a car, or a better mousetrap).

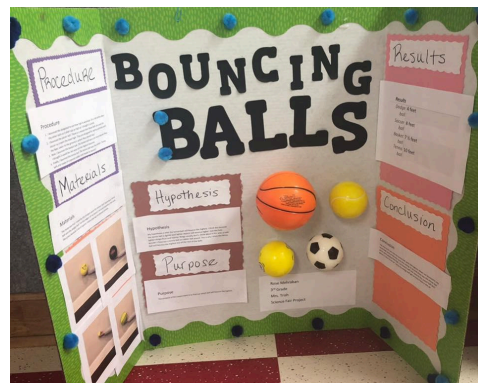
How should my trifold look like

Here is an example of how to collect and present your finding on a trifold:



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Here are some examples:



Science Project Ideas

Pick one from the list below or think up a project!

Kindergarten - First Grade:

- ☐ Sink or Float: Gather items around the house. Can you predict what will sink or float in a tub/bowl of water?
- ☐ Compare and contrast: The beaks of different bird species. How does the shape of the beak determine what the animal eats?
- ☐ Weather Watcher - How does the weather change through the day, throughout the week? What observations do you make?
- ☐ Geology 101 - Group, classify and describe rocks based on color, shape, size, and texture. For example: A Collection of stones, minerals, shells etc

Second Grade - Third Grade:

- ☐ How do plants absorb water?
- ☐ Phototropism - Does a plant grow differently depending on where the light source is? Why?
- ☐ Build a watershed
- ☐ Paper Airplanes - Does the shape of a paper airplane determine how far it will fly or how much it will spin? Compare different paper airplane shapes.

Fourth Grade - Fifth Grade:

- ☐ Build a model: solar system, a DNA double helix, a bridge. Label it.
- ☐ Create a solar oven from household materials - how does it work?
- ☐ Build a simple battery and generate electricity from fruits and vegetables.
- ☐ Which material will rust an iron nail first? (water, vinegar, oil, soda, lemon juice, etc). Why?
- ☐ How do Magnets work?

Science Project - sign up

Please turn this into your teacher by April 19th

Student Name: _____

Grade / Class: _____

Name of the Science Project:

Do you want to explain/present or just to display your project: **present** / **display**

Explain your experiment or activity:
