

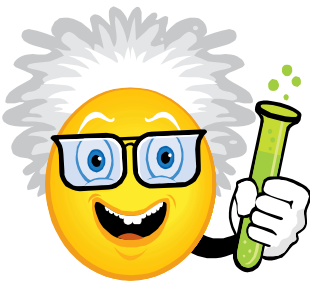
PATRICK ELEMENTARY SCHOOL



SCIENCE FAIR

To the Student

Participating in a Science Fair is an exciting adventure! You will make new discoveries and teach yourself some new Science ideas. Science Fair investigations require time and space. Persevere with enthusiasm. Keep to a schedule, complete experiments, make conclusions, and retest results if necessary. Show Patrick Elementary your knowledge and skills! Begin thinking about the possibilities you might explore through the Scientific Method. **HAVE FUN WITH SCIENCE!**



To the Parent

Please support your children's participation in the Science Fair. A positive, meaningful, and fun experience will create a feeling of pride for what they have accomplished. The project should be primarily the student's ideas and effort. However, there are many ways a parent can help:

- Read this booklet.
- Help your child choose an interesting, specific topic.
- Help your child select a project that he/she can do.
- Provide technical or safety assistance.
- Assist in collecting materials.
- Help your child get organized.
- Ask questions and provide encouragement.
- Check on progress.
- Listen to your child practice presenting his/her project.



The Scientific Method

(5 easy steps to successful science)

- Step 1: **Question** What do I want to find out?
Observations Research Infer/Inference
- Step 2: **Hypothesis** What do I think will happen?
If/then statement
- Step 3: **Procedure** How will I find out my answer?
Step by Step Record Data 5 senses
Variables Measure Consistency
Observations
- Step 4: **Results** What actually happened?
Data Tables Charts Graphs
- Step 5: **Conclusion** What did I learn?
True Hypothesis False Hypothesis

Display Board General Guidelines

The display board shows what you know, what you did, and what you learned.

- ◇ Sturdy cardboard, plywood, or foam boards make great displays.
- ◇ Size: 76 cm (30") deep - front to back
122 cm (48") wide - side to side
274 cm (108") high - floor to top

Using a 48" x 36" presentation board works well.

- ◇ State your title in large writing at the top of your display board.
- ◇ Include major headings. Lettering for the headings should be read from 5 feet away.
- ◇ State your hypothesis, materials, procedures, results, and conclusions.
- ◇ Tell about your *research* findings. Make it interesting!
- ◇ Illustrate information with charts, graphs, tables, drawings, pictures, photographs, or a model.
- ◇ Be original.
- ◇ Use your best handwriting or type information.
- ◇ Report information on separate sheets of paper. These can be neatly glued or taped to the display board under appropriate headings.
- ◇ Use various colors to attract attention to different features.

The value of scientific investigation would be lost if it were not reported to others.

Your display should be interesting and eye catching. Use pictures and diagrams to illustrate your work on a poster display. Present your **title** prominently. Be sure to include the **purpose** of your project, your **hypothesis**, the **procedures** followed, your **results**, and **conclusions**. Take the time to develop an exhibit that is indicative of the effort you put into your research.

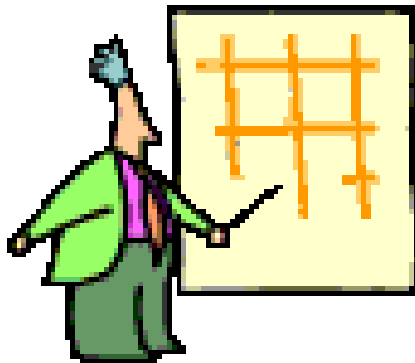
Samples, demonstrations, models, or experimental equipment should also be exhibited. These can be displayed in front of your presentation board. No live animals. Participants are welcome to use their own video equipment as part of their display. Equipment will not be provided by the school.

Presenting Your Project On Science Night

Practice! Practice your presentation to your parents and friends. *Be confident!* Remember you know this project the best - more than any other person. Talk naturally from your own experiences. Do not read directly off your display board.

Do the following as you present the day of the Science Fair:

1. Dress for success!
2. Stand up and introduce yourself.
3. Look in the eye of the reviewer and have a conversation with him/her.
4. State the "catchy" title of your project.
5. Explain the purpose of your project. Why did you choose this topic? How did you get interested in this subject?
6. Tell about your research.
7. Explain the procedures. Allow your interest to show. Be animated.
8. Tell about your charts, tables, graphs, and/or pictures.
9. Discuss your conclusions.
10. Explain what you have learned or proven.
11. Thank the reviewer at the end for taking time to come to your Science Fair.



YOU DID IT!!