



Lafayette Arts & Science Foundation  
There for every child.

**LAFAYETTE SCIENCE FAIR 2010**

**FEBRUARY 25<sup>th</sup>, 6-8 PM**

**Lafayette Elementary MULTI-PURPOSE ROOM**

## **GET READY for the 2010 LASF Lafayette SCIENCE FAIR!**

The LASF Lafayette Science Fair is a fun and exciting annual family event open to all K-5 Lafayette Elementary students. Join us February 25<sup>th</sup>, from 6-8 pm in the Lafayette Elementary Multi-purpose Room for a great display of our students' experiments and inventions, with hands-on science experiments, telescope viewing, and much more!

**Choosing Your Project:** Your child's project may be an EXPERIMENT, INVENTION, or SURVEY. Think of something you have always wanted to invent or something you want to know more about. Encourage your child to look around and "wonder why?" ...then brainstorm together on the different ways to obtain information that may help them answer their questions. Most importantly, choose something that you think will be FUN!!!

**Resources:** Many excellent resources are available to help you find your science project idea – Mr. Winter, your science teacher, your classroom teacher, books at the Lafayette Elementary School Library and other local libraries.

Students may also get ideas and help for projects and inventions online at the following science fair-related websites:

[LASF K-3 Science Fair Projects -](http://www.lasf.org/myschool/k_5/science_projectsK3.html)

[http://www.lasf.org/myschool/k\\_5/science\\_projectsK3.html](http://www.lasf.org/myschool/k_5/science_projectsK3.html)

[LASF 4-5 Science Fair Projects -](http://www.lasf.org/myschool/k_5/science_projects45.html)

[http://www.lasf.org/myschool/k\\_5/science\\_projects45.html](http://www.lasf.org/myschool/k_5/science_projects45.html)

[Science Fair Central -](http://school.discovery.com/sciencefaircentral/) [school.discovery.com/sciencefaircentral/](http://school.discovery.com/sciencefaircentral/)

[Science Buddies](http://www.sciencebuddies.org) – [www.sciencebuddies.org](http://www.sciencebuddies.org)

[Neuroscience for Kids](http://faculty.washington.edu/chudler/neurok.html) - <http://faculty.washington.edu/chudler/neurok.html>

[The Science Club](http://www.halcyon.com/sciclub) - [www.halcyon.com/sciclub](http://www.halcyon.com/sciclub)

[Science Fair Projects at Yahoo](http://kids.yahoo.com/science) -<http://kids.yahoo.com/science>

[Science Fair Project Resource Guide](http://www.ipl.org/div/projectguide/) -<http://www.ipl.org/div/projectguide/>

[Science Fair Project on the Web](http://www.sciencefairproject.virtualave.net/) -[www.sciencefairproject.virtualave.net/](http://www.sciencefairproject.virtualave.net/)

[Reeko's Mad Scientist Lab](http://www.spartechsoftware.com/reeko/) - [www.spartechsoftware.com/reeko/](http://www.spartechsoftware.com/reeko/)

[Agricultural Ideas for Science Fair Projects](http://www.ars.usda.gov/is/kids/fair/ideasframe.htm) -

[www.ars.usda.gov/is/kids/fair/ideasframe.htm](http://www.ars.usda.gov/is/kids/fair/ideasframe.htm)

[Exploratorium Learning Studio Science Fairs](http://www.exploratorium.edu) -[www.exploratorium.edu](http://www.exploratorium.edu)

[Dr. Shawn's Super Science Fair Support Center](http://www.scifair.org) - [www.scifair.org](http://www.scifair.org)

[PBS Kids](http://pbskids.org/zoom/activities/sci/) - [pbskids.org/zoom/activities/sci/](http://pbskids.org/zoom/activities/sci/)

**EXPLORE**



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**INVENT**



**DISCOVER**



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### Important Dates and Activities:

**January 29<sup>th</sup> - Display Board Order Deadline.** Cardboard display boards may be ordered until this date for \$5.00. Display boards are an easy way for students to organize and display their projects, but are not required. An order form is included in this packet. You may also order a display board online at: <http://tinyurl.com/LafayetteLASF2010ScienceFair>. Place display board order forms with cash or check in the "Science Fair" box in the office, or return to child's classroom. After this deadline you can find boards at Michael's and local office supply stores.

**January 29<sup>th</sup> – Project Entry Forms Due.** An entry form is included in this packet. Place entry forms in the "Science Fair" box in the office, or return to child's classroom. A form must be completed for each student's entry. Students doing team projects must each submit a form, so we have a certificate for each child. You may also enter and request a display board online at <http://tinyurl.com/LafayetteLASF2010ScienceFair>.

**Sign up to volunteer to help at the Science Fair on the entry form.**

**February 12<sup>th</sup>** – Take Home Display Boards. Boards will be delivered to classrooms.

**February 25<sup>th</sup> – LASF Science Fair Day!**

**8:00 am** – Students need to bring their projects to the multi-purpose room at Lafayette Elementary at 8 am.

Make sure your name, grade, and teacher's name is on your board/project.

**6:00-8:00 pm** – Science Fair Time. Fun for the whole family! Stargazing through the LASF telescope (if it is a clear night), cool Science Explorations and a Scavenger Hunt are all planned.

**February 26<sup>th</sup>** – Take Home Remaining Projects. Science fair projects will be taken to the classrooms and the students can take them home after school.

*If you have any questions, need help with your project or would like to volunteer, please contact Janet Estee at ([janetestee@hotmail.com](mailto:janetestee@hotmail.com)).*

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**Science Fair Project Guidelines:** Use the following guidelines to organize your experiment. Choose to do an EXPERIMENT, INVENTION or SURVEY. The below questions are for guidance only. You can change the questions to suit your project!

**Project Type: EXPERIMENT**

1. QUESTION: (What do you want to know?)
2. HYPOTHESIS: (Make a scientific guess about the way you think your experiment will turn out.)
3. MATERIALS: (What materials will you need?)
4. METHOD: (How will you do the experiment?)
5. DATA: (What are your observations? Be sure to keep thorough records)
6. CONCLUSIONS: (Have you answered your question? What are your conclusions? Do your results support your hypothesis? Did you have any difficulties which make it hard to reach any definitive conclusions? Do your results and conclusions suggest other experiments you might do in the future?)

**Project Type: INVENTION**

1. INVENTION TITLE
2. PURPOSE OF INVENTION
3. DESCRIPTION OF INVENTION
4. MATERIALS USED
5. STEPS FOLLOWED IN CONSTRUCTING MY INVENTION:
6. REVISIONS I MADE TO IMPROVE MY INVENTION
7. WAYS MY INVENTION COULD BE IMPROVED IN THE FUTURE
8. REASON MY INVENTION IS GREAT

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**Project Type: SURVEY**

1. SURVEY QUESTION
2. WHAT MAKES THIS QUESTION INTERESTING TO YOU?
3. DESCRIPTION OF SUBJECTS: (For example, students versus teachers, or boys versus girls.)
  1. Include the number of subject groups (Kindergarteners, 3<sup>rd</sup> graders, and 5<sup>th</sup> graders would be three subject groups)
  2. Include the number of people surveyed in each group (For example, 20 students in each grade)
4. HOW DID YOU CONDUCT YOUR SURVEY? (For example, online, verbally in person or on the phone, or a piece of paper you gave or mailed to subjects) – If you have a copy of the survey, include it on your display.
5. SURVEY DATA: A good way to show the data is in a box that shows the subject information and their answer:

SUBJECTS	#	COKE	PEPSI	COMMENTS / RESULTS
Kindergarteners	20	18	2	Lots of Kindergarteners love Coke!
3 <sup>rd</sup> Graders	20	8	12	Lots of 3 <sup>rd</sup> graders love Pepsi!
5 <sup>th</sup> Graders	20	10	10	Wow, 5 <sup>th</sup> graders love Coke and Pepsi the same amount!
TOTALS	60	36	24	Overall, more kids love Coke

6. SURVEY RESULTS: What does your data show about your question? (In the example box above, the "results" section is combined with the data)
7. WERE YOU SURPRISED BY THE ANSWER? WHAT MIGHT EXPLAIN THE ANSWER?
8. WOULD YOU CHANGE YOUR QUESTION IN ANY WAY?
9. THINK OF ANY OTHER QUESTIONS THAT THIS SURVEY BROUGHT UP.

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