

**CALLING ALL 3<sup>RD</sup>, 4<sup>TH</sup>, AND 5<sup>TH</sup> GRADERS**

**SCIENCE FAIR 2024**

**TUESDAY, MARCH 19th 2024**

**4:00 pm to 6:15 pm**

**LVI Gymnasium**



**REGISTER BY**

**TUESDAY, FEBRUARY 27<sup>th</sup> 2024**

**ONLINE REGISTRATION**

<https://lvepc.org/pto-signup/lvi-science-fair-2024/>

**PARENT VOLUNTEER**

Coming Soon!

**SPONSORED BY LVEPC**

# LVI Science Fair Entry Form 2024

**Please sign-up individuals/groups online**

<https://lvepc.org/pto-signup/lvi-science-fair-2024/>

**Note: The project will be entered into the class of the scientist in the highest grade.**

**Registration due Tuesday, February 27<sup>th</sup> 2024.**

If you have any questions, please contact one of the following:

Kerry Weatherhead-Shenoy    516-712-7523    [kerrybethws@hotmail.com](mailto:kerrybethws@hotmail.com)

Oya Dane    [oyadane@gmail.com](mailto:oyadane@gmail.com)

Stephanie Koval    [sskoval@yahoo.com](mailto:sskoval@yahoo.com)

Melissa Sullivan    [heymlhhey@aol.com](mailto:heymlhhey@aol.com)

## Science Fair 2024

Thank you for choosing to participate in the LVI Science Fair! The Science Fair will be held on **Tuesday, March 19th 2024 from 4-6:15 pm.**

**This is a drop off event.** Students will bring their projects to the LVI gymnasium at **4 pm**. Please enter through the front of the building. You may help your child get set up, but we will ask all **parents to leave before 4:15pm**. Judging will start at 4:15pm and the students will present their projects. The doors will be **opened to family members at 5:45pm** to enjoy looking at the student's work and for the presentation of the winners in each grade. All students will be acknowledged for participating. The event should **conclude by 6:15pm**. **Scientists are encouraged to leave their projects at school. LVI classes will be visiting the science fair Wednesday morning. Students will be bringing home their projects Wednesday.**

Snacks will be served to all participants.

## **Entry Rules**

1. All project work must be done at home.
2. All scientists must use the scientific method for their projects and display their work on a **trifold display board 36"X48"**. (See attached packet) *Note: Ms. McBride has a limited number of tri-fold boards. They will be given out on a first-come basis.*
3. Scientists must work alone, in pairs, or in groups of three. Note: The project will be entered into the class of the scientist in the highest grade.
4. Projects must be brought to the LVI gymnasium on March 19th 2024 by 4 pm. Judging will begin at 4:15 pm.

5. All Scientists should be prepared to explain their projects to viewers.
  
6. Projects will be taken home Wednesday. Please plan to leave your project as LVI classes will be visiting the fair on Wednesday.

### **LVEPC Science Fair Safety Guidelines**

**Safety for all participants and attendees is paramount. Please supervise students as they are conducting experiments, especially when working with poisons, chemicals, electricity, and heat.**

**Please note the students will NOT have access to electrical outlets. Please fully charged all ipads or laptops on the night of the event.**

**To ensure the safety of attendees, anything that could be hazardous to the public is prohibited from the display.**

**The following items are NOT allowed to be displayed at Fair:**

**Containers filled with liquid (including water)**

**Live disease causing organisms which are pathogenic to man or other live organisms**

**Microbial cultures of plants, fungi, and unknown organism whether alive or dead**

**Soil and waste samples and materials**

**Any flames open or concealed**

**Highly flammable materials**

**Syringes, pipettes, and similar devices**

**Liquid or solidified gases (ex: dry ice)**

**Class III or IV lasers**

**Firearms or projectile launchers of any kind**

**Tanks which contain or have contained combustible gases**

**Taxidermy specimens or parts**

**Preserved vertebrate or invertebrate animals**

**Human or animal parts (exceptions: teeth, hair, nails bones, histological section, and wet mount tissue slides)**

**Poisons, drugs, or controlled substances**

**Synthetic chemicals**

**\*\*\*Please note that these items may be used to do your experiments and can be included in your poster presentation, but they will not be allowed to be displayed at the fair itself.**

## **Why Have Your Kids Participate in the Science Fair?**

Kids are naturally curious and ask a million questions. Why not have them investigate the answer and try to see if it's true. Do it by yourself or ask a few friends. It's easy!! If you would like some help choosing a topic, go to the following websites:

Sciencebuddies.org

Kidsciencechallenge.com

Sciencefairadventure.com

Please use the scientific method, which is explained below.

## **What is the Scientific Method?**

The Scientific Method is the step by step process a scientist uses to find a conclusion to a problem.

The Scientific Method is as follows:

- Purpose (Question)
- Research
- Hypothesis
- Materials and Procedure
- Data and Analysis
- Conclusion

### **Scientific Method Step by Step**

#### **Step 1 – State the Purpose of your Project**

The first step is to write a question. This is what you want to know. This later becomes your project title.

EX: Do white candles burn faster than colored ones?

The purpose of this experiment is to determine if color(dye) has any effect on the rate a candle burns.

#### **Step 2 Research**

The second step is to research your topic. You can use the Internet (with parental supervision), your textbook, or your public library to gather resources about your topic.

Write all information in a notebook and date your work. (scientists call them log books)

EX: Research colors and how they affect melting temperatures.

### **Step 3 – Hypothesis**

The third step is to write a statement that predicts the outcome of the experiment. It is an educated guess based on research that is done. \*\*At this point you have not done your experiment.

EX: White candles burn faster than colored candles because they are purer.

### **Step 4 – Materials and Procedure**

The fourth step is to create an experiment to test your hypothesis and gather the materials. The procedure is written like a recipe. First you list your materials and then, step by step instruction explaining how the experiment will be done.

The experiment should be done at least 2-3 times to verify or confirm the results.

### **Step 5 – Data and Analysis**

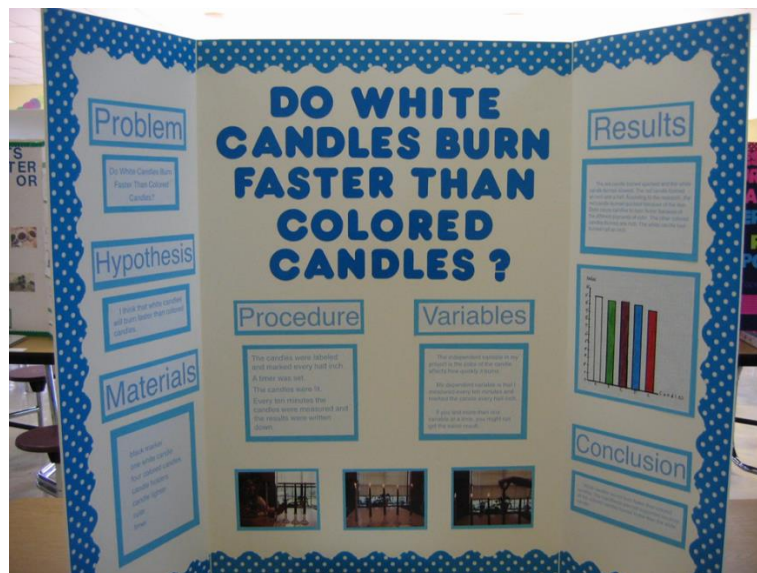
The fifth step is to write down any observations and results based on the experiment. Record these results and observations in a log book. Make a chart or graph to display any information found in the results of your experiment. In addition, pictures of the results can also be used to further illustrate your data and analysis

## Step 6 – Conclusion

The sixth step is to write a conclusion based on your results. Did the results prove or disprove your hypothesis and why?

It is ok if your results disprove your hypothesis. That is very typical in a scientist's life. If the results differ from what you expected, explain the scientific reasons why. If it is the way the experiment was done, suggest how to change the procedure to yield better results

### Science Fair Display Board Example



Science Fair Display Board Sample



<p><b><u>Question</u></b> State your question here.</p> <p><b><u>Hypothesis</u></b> State your hypothesis here. (Remember to do this BEFORE your experiment takes place.)</p> <p><b><u>Materials List</u></b> List all materials you needed to complete the experiment. If you used it, list it.</p>	<p style="text-align: center;"><b>PROJECT TITLE</b></p> <p style="text-align: center;"><b><u>Procedures</u></b> Explain what you did for your experiment in such a way that someone else could recreate the experiment again.  (include pictures)</p>	<p><b><u>Data</u></b> This includes a table where information is recorded during the experiment and an appropriate graph that shows the data in a visual form.</p> <p><b><u>Analysis</u></b> Briefly tell what the data shows and what you found out.</p> <p><b><u>Conclusion</u></b> State whether your hypothesis was right or wrong.</p>
--	---	---

Have your science journal available for review.