

# New Hartford Science Fair Entry Packet

We're so glad you want to participate in the Science Fair!

Enclosed is the Entry Packet. **The LAST TWO pages** need to be filled out completely and returned to school by

**Tuesday April 10<sup>th</sup>, 2018**

Here's some important information:

- Mark your calendars for the Science Fair: **Thurs. April 26<sup>th</sup>, from 6-7:30pm.**
- Attached are the guidelines and safety rules. Read them carefully. There are also some tips to get you started.
- Keep the first three pages of this form for yourself. Completely fill out the entry form and permission slip (last 2 pages) and return it to your teacher no later than: **Tuesday April 10<sup>th</sup>, 2018.**
- Projects need to be delivered and set-up in the Antolini Gym on **the day of the Science Fair from 4pm-5:30pm. Please note location and set up time is a change from last year!**
- All projects must go home at the conclusion of the Science Fair on Thursday evening at 7:30 pm.

**HAVE FUN!**

*If you have any questions, please contact the PTO at [info@newhartfordpto.org](mailto:info@newhartfordpto.org)*

Science Fair projects should be fun! You can choose a topic that you want to learn more about, something you are already an expert on, or anything that interests you! Sometimes, just taking the time to examine things that you use every day will inspire a great Science Fair project. If you are still stuck and looking for ideas here are a few to get you started:

The Oceans  
The Earth  
Volcanoes  
Plants  
Fossils  
Mining  
Caves

The Human Body  
The Atmosphere  
Machines  
Food  
Recycling  
Animals

Here are some really cool, kid-friendly science websites to help you design and research your topic:

### **Science Fair Project Ideas**

[www.sciencebuddies.org](http://www.sciencebuddies.org)

[www.all-science-fair-projects.com](http://www.all-science-fair-projects.com)

<http://school.discoveryeducation.com/sciencefaircentral/>

<https://www.education.com/science-fair/elementary-school/>

### **Research**

Explore the Splendors of the Sea and the Wonders of the Universe

[www.seasky.org](http://www.seasky.org)

Extreme Science [www.extremescience.com](http://www.extremescience.com)

Geology for Kids [www.kidsgeo.com/](http://www.kidsgeo.com/)

Fact Monster [www.factmonster.com](http://www.factmonster.com)

# HELPFUL HINTS

*Your project can be about anything related to science!*

Scientists start with questions. So think about the world and what you wonder about it. Your project will be a chance to answer your question.

- You could build a **MODEL**, such as the solar system, a bridge, or a heart.
  - ✓ Decide whether it should be full scale or miniature.
  - ✓ Label its parts.
  - ✓ See if you can make it work like a real one.
  - ✓ Make a posterboard about your model, how you made it, and how it works.
  
- You could do an **EXPERIMENT**.
  - ✓ Start with a problem.
  - ✓ Write your hypothesis (what you think will happen).
  - ✓ List your materials and your procedure.
  - ✓ Do the experiment.
  - ✓ Record and analyze your data.
  - ✓ Draw conclusions. Ask yourself: What did I find out and how does it compare with what I thought would happen?
  - ✓ Make a posterboard showing how you did your experiment and your results.
  
- You could do a **REPORT**.
  - ✓ Think about something you want to know more about.
  - ✓ Research to learn more about it.
  - ✓ Share what you discovered by displaying information and pictures on a posterboard.

# **RULES for the New Hartford Science Fair**

- The Science Fair is open to all New Hartford Elementary and Bakerville students in grades K-2<sup>nd</sup>.
- Projects must represent original work done by the student.
- Students may choose to work on an independent or group project.
- All students must submit a permission slip signed by their parents that describes the student's project by the deadline date.
- For students who will be doing a display board of their project, a three-sided display board that will stand on its own is recommended. It can be commercially made foam or poster board or an old fashioned wood board on hinges.
- All projects must have your name on it, clearly visible in the front.
- The project must be able to fit in a 2 1/2 feet by 3 feet space.
- All tools and equipment for setting up must be provided by the exhibitor. This includes electrical cords at least 6 feet long and equipped with a standard-grounded plug. If electricity is necessary for your project, you must note this on the permission slip so that we may display your experiment near an outlet.
- All chemicals and materials necessary for the project must be listed on the permission slip. Any items, such as chemicals, not approved by the committee will not be permitted for use.
- Where the display of a relatively harmless chemical is crucial to a project, as in crystal growth, we request that you follow these guidelines: display them in screw-top or snap-top containers, preferably plastic rather than glass, that are taped securely shut. If it is determined that a chemical still has a potential for harm, removal will be required.
- Sharp or otherwise dangerous instruments or items such as sharp tools, knives, scalpels, needles, syringes, or pipettes may not be used.
- Flames, open or concealed, flammable substances or materials, matches, and lighters are strictly prohibited.
- No live animals are allowed to be displayed in the Science Fair.
- Electrical: Bare wires and exposed knife switches may be used only on circuits of 12 volts or less with low current (less than 5 amperes). Circuits exceeding 12 volts, including all standard 110 volt circuits, and all circuits carrying high currents (greater than 5 amperes), must use wire of proper load-carrying capacity, must have connections soldered or made with approved connectors, must be properly enclosed, or insulated, and must, in general, comply with electrical codes. Equipment producing voltages in excess of 110 volts must be shielded. Open-top electrical cells are prohibited.
- Anything NOT mentioned above, but that could be hazardous or inappropriate for public display, will be removed.

**Please print and fill out this form completely and return it to school by Tuesday April 10th !!!**

## **ENTRY FORM & PERMISSION SLIP 2018 New Hartford Science Fair**

Your name: \_\_\_\_\_

Grade: \_\_\_\_\_

Your Teacher: \_\_\_\_\_

1. Briefly describe your planned project or experiment.

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2. Title of your project: ***NOTE: This title will be placed in the program booklet.***

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3. List ALL materials you will be using.

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4. If you will be using any materials at home, but not bringing them to the Science Fair because they are potentially hazardous to the public or because of the rules of the fair, please list them.

***NOTE: Any potentially hazardous material to be used must be listed for approval.***

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5. Do you need an electrical outlet or other special need, i.e. against a wall, floor space, access to water, etc.? Please describe. ***NOTE: If you need an electrical outlet, YOU MUST PROVIDE YOUR OWN EXTENSION CORD. All projects must stay within the 2-1/2 feet by 3 feet limit.***

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6. If you are working with a partner on this project, please list his/her name, grade, and teacher below. **Note:** *You only need to out one entry form per project.*

Name: \_\_\_\_\_ Grade: \_\_\_\_\_ Teacher: \_\_\_\_\_

**FOR STUDENTS TO SIGN**

- ✓ I have read the rules for the Science Fair and agree that the project I plan to enter will be completed according to the written guidelines.
- ✓ I understand that my project cannot consist of any hazardous or flammable material or contain sharp objects. It must be no larger than 2-1/2 feet x 3 feet.
- ✓ I agree to set up my project on Thur April 26<sup>th</sup>, between 4pm and 5:30pm, and remove my project at the conclusion of the Science Fair that night.

Signature of student(s)

Student (1) \_\_\_\_\_

Student (2) \_\_\_\_\_

**FOR PARENTS/GUARDIANS TO SIGN**

I have read the entire policy for the Science Fair and this permission slip and agree to comply with the rules. I give permission for my son/daughter to participate in this Science Fair.

**NOTE:** *Projects with 2 students only need to submit one form, BUT you must provide parent signatures below for each student involved in the project!*

Parent(1) Signature \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Parent(2) Signature \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_