

2012 Dayspring/Cary Homeschoolers SCIENCE FAIR
OFFICIAL REGISTRATION FORM
 (Submit one per project, please)
<http://www.caryareasciencefair.org>

Registration Deadline Friday, Jan. 13, 2012*

* Project Title changes accepted by email through Jan. 21.

DATE: SATURDAY, January 28, 2012	8:15 a.m. – 1:00 p.m. Setup time 8:15-8:45 a.m.
PLACE: New Horizons Fellowship ANNEX, 820 E. Williams St., Apex, NC For directions see website at http://www.nhf.cc (click on “map it”)	

NAME OF School _____

Circle One: Individual Project / Team Project

NAME OF Student/s _____

Address _____

Phone _____ e-mail _____

Grade level of student/s _____

Electricity needed? YES / NO Other special setup? _____

Additional information _____

Member of (*check all that apply*):

Cary Homeschoolers _____ Dayspring HomeEducators _____ Nonmember: _____

All participating students must currently be homeschooled. The project may not have been entered in any other judged competition. Team projects are done by 2-3 students.

INDICATE THE **DIVISION AND CATEGORY**. See page 2 for rules.

Check One Division:

_____ ELEMENTARY DIVISION (GR. K-2)

(category not required for K-2 Division)

_____ ELEMENTARY DIVISION (GR. 3-5)

_____ JUNIOR DIVISION (GR. 6-8)

_____ SENIOR DIVISION (GR. 9-12)

Check one Category:

_____ Biological A

_____ Biological B

_____ Chemistry

_____ Earth/Environmental Science

_____ Physics

_____ Technological/Engineering

**PLEASE SEND Completed Registration and Fees (see page 2)
 by Friday, JANUARY 13, 2012 to:**

Dixie Fisher, 102 Wineleaf Lane, Cary, NC 27518 .

Phone: 919/859-6149 E-mail: dixie@caryareasciencefair.org

REGISTRATION FEES

Members of CHS or Dayspring: \$10 per project; \$20 maximum per family;

Nonmembers: \$20 per project All: for late Registration add \$5

Make checks payable to Dayspring HomeEducators. Write “Science Fair” in the memo space.

SCIENCE FAIR INFORMATION

1. Category Descriptions

Select the category for competition that best matches the project. The following descriptions should be of assistance in making the most appropriate decisions.

Biological Science A

Animal Science

Medicine and Health Science

Microbiology

Biological Science B

Behavioral and Social Sciences

Biochemistry

Cellular & Molecular Biology

Plant Sciences

Chemistry

The science of the composition, structure, properties, and reactions of matter, especially of atomic and molecular systems.

Earth/Environmental Science

Geology, mineralogy, physiography, oceanography, meteorology, climatology,

Study of pollution especially related to the environment

Physics

Physics is the science of matter and energy and of interactions between the two.

Technology/Engineering

Technology or Engineering projects that directly apply scientific principles to manufacturing and practical uses.

2. Team Entries are allowed: Up to 3 students per team are allowed for all divisions. All students must fall within the age division for the project to be eligible for Regional competition. All team members must be present at the Science Fair competition.

3. Project Forms Required for grades 3-12. Forms should be completed prior to experimentation, and will be submitted along with the Research Plan at Science Fair Check-In. Additional signatures may be required (per ISEF rules) for certain types of experiments deemed potentially hazardous or involving human or animal testing. All rules and forms are available at the website <http://www.ncsciencefair.org/>

Grades 3-12: All students must submit Forms 1A (Student Checklist), 1B (Approval Form), and a Research Plan. Use the **ISEF Rules Wizard** at <http://apps.societyforscience.org/isef/students/wizard/index.asp> to determine other forms that may be required for your research and if approval is needed before beginning the experiment!

Everyone: If the study involves human testing or animal testing or potentially hazardous chemicals or biological agents, please contact Linda Whipker at linda@caryareasciencefair.org prior to experimentation. Please contact Linda or Dixie (dixie@caryareasciencefair.org) if additional SRC or IRB signatures are required for your project. The Rules Wizard will indicate whether you need these additional signatures.

Elementary Grade Projects involving the culturing of Microorganisms are **NO LONGER ALLOWED** at the INTEL Science and Engineering Fair, so would not be eligible to move on to the Regional competition. Please contact Linda or Dixie if your elementary project includes microorganisms, such as growing bacteria. Students at **ALL LEVELS** may **NOT** grow microorganisms at home or school and be eligible to compete at the Regional and State levels.

K-2 students do not need the project forms. Safety and ethics standards should of course be adhered to in all experiments. Use Parent/Teacher discretion please.

4. Project Data Book:

The student(s) should record their experiments in a bound (preferably composition-style) notebook. This experiment notebook will be displayed with their project. It should be reasonably neat, but should reflect that data was entered as it was acquired. Students should not tear out pages, but may neatly cross out. Note to parents: This is a learning process. Don't stress over the data book, particularly for young students. The goal is to keep all information about the experimentation in one place, and document as the student goes along. That is how it is done in a professional laboratory.

5. The Day of the Science Fair:

Students will set up projects that morning, 8:15-8:45 a.m., and will remain by their projects for discussion with the judges. Each student should prepare a 2-3 minute description of their project, and will answer questions. Parents will not be in the room during this time, and there may be some wait time, so students should bring a book or something else quiet to do as they wait. Fair officials will be available to assist students with any needs. Don't worry about your K-2 students – we'll help them as they wait, and will try to minimize wait time.

As judges deliberate, students will be excused from the display area to enjoy the fun science activities planned for them. Fair participants should not leave the premises unless prior arrangements are made with fair organizers.

There will be a time for public viewing of the displays, prior to the Awards Ceremony. Agenda details will be posted on the www.caryareasciencefair.org website prior to the fair.

6. Displays:

Most students prepare a poster display which highlights the project and demonstrates the use of the Scientific Method. Remember that viewers will be looking at the display from a few feet away, so use appropriate font sizes. Project Title should be on the display, but nothing to identify the student (such as their name or a photo). Photographs of the experiment can be used, with proper credits to the photographer. Student(s) name, grade, and school name should be attached to the back of the display along with appropriate research form(s).

The student's **Project Data Book** should be presented, as should an **Abstract** of the project. (An abstract is a ½-1 page summary of the problem, experiment, results and conclusions, and can be on the poster display.) For this fair you may wish to provide extra copies of your abstract as handouts for the public viewing time. **NO RESEARCH REPORT IS REQUIRED** at this level of competition. However, it is recommended for older students as it helps them thoroughly think through their project and results, and judges may use it to assist their evaluation of the project. You may use the official abstract form, but it is not required at this (local) level.

<http://www.societyforscience.org/document.doc?id=24>

Displays are restricted to a space 48 inches wide (side to side), 30 inches deep (front to back) and 108 inches in height (floor to top). (Fair-provided tables will not exceed a height of 36 inches.) If electricity is needed, this **MUST** be indicated on the entry form or organizers must be notified 1 week prior to the fair. A 25 foot electrical cord should accompany projects needing electricity. No gas or running water will be available for exhibits.

There is quite a list of items not allowed in the display. In short, no “biological anything” and no chemicals or equipment that could be hazardous. Water can be used only if it is in an enclosed apparatus. For more details see <http://www.ncsciencefair.org/index.php/students-a-parents/rules/display-regulations>

If you are still not sure whether an item or apparatus is allowed, please ask prior to “Fair” morning!

7. Rules and judging are based on International Science and Technology Fair (ISEF) rules.

See <http://www.ncsciencefair.org/index.php/judges/93-judging-criteria>

8. For updates, check the website: www.caryareasciencefair.org .