

# 2010 Dayspring/Cary Homeschoolers SCIENCE FAIR

## OFFICIAL REGISTRATION FORM

(Submit one per project, please)

<http://www.caryareasciencefair.org>

**Registration Deadline Friday, Jan. 8, 2010\***

\* Project Title changes accepted by email through Jan. 29.

<b>DATE:</b> SATURDAY, February 6, 2010	8:30 a.m. – 1:00 p.m. Setup time 8:00-8:30 a.m.
<b>PLACE:</b> New Horizons Fellowship ANNEX, 820 E. Williams St., Apex, NC For directions see website at <a href="http://www.nhf.cc">http://www.nhf.cc</a> (click on “map it”)	

NAME OF School \_\_\_\_\_

Check One: Individual Project \_\_\_\_\_ Team Project \_\_\_\_\_

NAME OF Student(s) \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_ e-mail \_\_\_\_\_

Project Title \_\_\_\_\_

Grade Level of Student (if team project, grade level of oldest student) \_\_\_\_\_

Electricity needed? \_\_\_\_\_ Other special setup? \_\_\_\_\_

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)

\_\_\_\_\_ ELEMENTARY DIVISION (GR. 3-5)

\_\_\_\_\_ JUNIOR DIVISION (GR. 6-8)

\_\_\_\_\_ SENIOR DIVISION (GR. 9-12)

**Check one Category:**

\_\_\_\_\_ BIOLOGICAL

\_\_\_\_\_ EARTH

\_\_\_\_\_ TECHNOLOGICAL

\_\_\_\_\_ PHYSICAL

**PLEASE SEND Completed Registration and Fees by Friday, JANUARY 8, 2010 to:**

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

**Phone: 919/859-6149 E-mail: [dixie@caryareasciencefair.org](mailto: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 and 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:** Human and animal behavior; social and community relations; chemistry of life processes; study of plants, animals, or microorganisms; study of diseases, and health of humans and animals

**Physical Science:** Study of the nature and composition of matter and laws governing it; theories, principles, and laws governing energy and the effect of energy on matter, including chemistry.

**Earth/Environmental Science:** Geology, mineralogy, physiography, oceanography, meteorology, climatology, astronomy; study of pollution especially related to the environment

**Technology:** Technology projects that directly apply scientific principles to manufacturing and practical uses.

**2. Team Entries** are allowed: Up to 3 students/team for Elementary Division and up to 2 students/team for Junior Division or Senior Division. Team projects must be within an individual division to be eligible for Regional competition.

**3. Project Form Required for grades 3-12.** This form 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.ncsta.org/sciencefair/students> .

**Grades 3-8:** Use the Project Form at <http://www.ncsta.org/sciencefair/forms/09-10ElementaryMiddleResearchForm.pdf> .

**Grades 9-12:** All high school students must submit Forms 1, 1A, and 1B.

[ISEF Checklist for Adult Sponsor/Safety Assessment Form \(1\)](#)

[ISEF Student Checklist and Research Plan Form \(1A\)](#)

[ISEF Approval Form \(1B\)](#)

**Everyone:** Use the **ISEF Rules Wizard** at <http://www.sciserv.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 please contact Linda Whipker at [linda@caryareasciencefair.org](mailto:linda@caryareasciencefair.org) prior to experimentation. Please contact Linda or Dixie ([dixie@caryareasciencefair.org](mailto:dixie@caryareasciencefair.org)) if additional SRC signatures are required for your project.

**K-2 students** do not need the project form. Safety and ethics standards should of course be adhered to in all experiments.

#### **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, 8:00-8:30 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](http://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.

Displays are restricted to a space 122 cm wide (side to side), 61 cm deep (front to back) and 274 cm in height (floor to top). 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.ncsta.org/sciencefair/students/rules.html> and [http://www.societyforscience.org/isef/aff\\_fairs/aff\\_regulations.asp](http://www.societyforscience.org/isef/aff_fairs/aff_regulations.asp)

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.ncsta.org/sciencefair> and [http://www.societyforscience.org/isef/judges/judges\\_criteria.asp](http://www.societyforscience.org/isef/judges/judges_criteria.asp)

8. For updates, check the website: [www.caryareasciencefair.org](http://www.caryareasciencefair.org) .