



The North Carolina Region IV Science Fair  
at  
The University of North Carolina at Pembroke



### **General Information**

The 2010 North Carolina Region IV Science Fair will be held on Saturday, February 20<sup>th</sup>, 2010 in the Auxiliary Gym, Jones Health and Physical Education Center. For directions, [click here](#). Students can begin setting up their displays at 7:30 am and the awards ceremony will conclude at 4:00 pm. For a complete schedule of events see the fair [website](#). Deadline for application materials is February 12, 2009.

The North Carolina State Science and Engineering Fair is affiliated with the International Science and Engineering Fair (ISEF) for grades 9-12. Two single projects and one team project will be sent from the state level competition to participate in the 2010 ISEF in San Jose, CA. In order for our students to be more competitive at the state science fair we will follow the rules set by ISEF.

### **Application Information**

The fair now makes use of an on-line application process which must be completed by February 12. (see fair webpage for link). In addition to the on-line application students are required to complete paper forms as outlined below. **ALL STUDENTS MUST BRING THE COMPLETED PAPERWORK (one page application and/or ISEF forms) WITH THEM TO THE FAIR.** Failure to bring completed forms on the day of the fair will prevent the student from advancing to the state level.

- For the elementary and junior divisions only, use the one page [2009-2010 North Carolina Elementary and Middle School Science and Engineering Fair Research Plan & Scientific Review Committee \(SRC\) Approval Form](#). This one page application takes the place of the multiple ISEF forms (for exceptions and directions, see the application itself). In addition a Research Plan and must be completed prior to commencement of the student's experiment. See the form itself for a description of the Research Plan.
- For the senior division, students are still required to use the official ISEF [form 1](#), [form 1A](#), [form 1B](#) and the abstract. For the abstract, either the [ISEF abstract form](#) or the [NC State Science Fair abstract form](#) can be used. Depending on the topic of the student's project, additional forms may be required. The best way to determine what ISEF forms are required is to use the "[Rules Wizard](#)" link below.

In addition to the on-line application each entry will be required to submit a [Region IV Fee Form](#). The fee form must be postmarked by February 12, 2010. Please mail fee forms only (NOT any other entry forms) to: Ms. Carolyn Parsons, Region IV Science Fair - Accounting,

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Department of Chemistry & Physics, UNC Pembroke, Pembroke, NC 28372. The entry fee for the 2010 fair is \$4.00 per project.

Teachers must make sure students choose the proper category for their project! If you need guidance on category selection, please see the description at this link:

[http://www.societyforscience.org/isef/students/research\\_categories.asp](http://www.societyforscience.org/isef/students/research_categories.asp).

### **General Rules & Regulations**

1. In the Elementary, Junior, and Team Divisions, no more than three students may enter a project together. In the Senior Division, only one student per project.
  - **Elementary:** The elementary division includes grades 3-5. In this division the projects are not divided into categories. Each elementary school may submit 3 projects in this division. These may include all from one grade, or any combination for a total of 3 projects.
  - **Junior:** The junior division includes grades 6-8. In the junior division the categories include Biological Science, Earth or Environmental Science, Physical Science, and Technology/Engineering. The first place winners in each division from local school fairs can be sent to the Region IV fair.
  - **Senior:** The senior division includes grades 9-12. In the senior division the categories include Biological Science, Earth or Environmental Science, Physical Science, and Technology/Engineering. The first place winners in each division from local school fairs can be sent to the Region IV fair.
  - **Team:** A Team Project consists of two or three high school students working together on the same project. Only one Team Project from our region will advance to the State Science Fair.
  - **Maximum number of entries per school:**
    - Elementary school: 3 entries
    - Middle school: 4 entries
    - High school: 4 individual entries plus one team project.

**County Science Fairs:** *If the county has a county science fair*, the first, second, and third place winner from each category described above may be submitted for a total of 39 projects (12 from grades 3-5, 12 from grades 6-8, 12 from grades 9-12, and 3 high school team projects).

2. **Fair participants are NOT to bring their experiments with them to the fair.** You should take pictures of your apparatus and include them on your display or in your notebook. The only exception to this rule is in the Technology/Engineering category. No gas or running water can be supplied. Dangerous chemicals, open flame, and explosives will not be

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accepted in exhibits.

3. Experimental procedures with animals, which involve discomfort, pain or death, or diets deficient in essential nutrients, will be disqualified. No live animals should be brought to the fair. The State Science Fair Code of Practice on Use of Animals in Schools will be strictly enforced.
4. Your project must be within the following limits when set up for evaluation and students must provide their own display board for presentation.
  - 30 in. (76 cm) deep, front to back
  - 48 in. (122 cm) wide, side to side
  - 108 in. (274 cm) high, floor to top including the table -- table height is ~30"

### Check Lists

#### **Elementary & Junior Divisions:**

- Complete North Carolina Elementary and Middle School Science Fairs Scientific Review Committee (SRC) Research Plan & Approval Form **prior** to beginning project
- Research Plan
- Abstract
- Complete application on-line
- Mail in Region IV Fee Form
- (All above forms are to be completed and brought to fair with participant)

#### **OR**

- ISEF Checklist for Adult Sponsor/Safety Assessment Form (1)
- ISEF Student Checklist and Research Plan Form (1A)
- ISEF Approval Form (1B)
- Abstract
- Complete application on-line
- Mail in Region IV Fee Form
- (All above forms are to be completed and brought to fair with participant)

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### Senior Divison:

- ISEF Checklist for Adult Sponsor/Safety Assessment Form (1)
- ISEF Student Checklist and Research Plan Form (1A)
- ISEF Approval Form (1B)
- Abstract
- and any other required forms (use Rules Wizard link)
- Complete application on-line
- Mail in Region IV Fee Form
- (All above forms are to be completed and brought to fair with participant)

### HELPFUL WEB SITES:

Categories: [http://www.societyforscience.org/isef/students/research\\_categories.asp](http://www.societyforscience.org/isef/students/research_categories.asp)  
International Science & Engineering Fair (ISEF): <http://www.societyforscience.org/isef/>  
NC State Science & Engineering Fair: <http://www.ncsta.org/sciencefair/>  
Region IV Science Fair (UNCP): [http://www.uncp.edu/chem\\_phy/science\\_fair/index.htm](http://www.uncp.edu/chem_phy/science_fair/index.htm)  
Rules Wizard: <http://www.societyforscience.org/isef/students/wizard/index.asp>  
Science Buddies: <http://www.sciencebuddies.com/>  
Science Fair Central: <http://school.discovereducation.com/sciencefaircentral/>  
Society for Science & The Public (SSP): <http://www.societyforscience.org/>