



53rd Annual  
San Juan Basin Regional Science Fair  
2011 Judge Information

Dear Prospective Science Fair Judge,

The 2011 San Juan Basin Regional Science Fair is being held on **Thursday, March 3rd** at the La Plata County Fairgrounds in Durango, Colorado. The Science Fair is open to students in 6th through 12th grades from Archuleta, Dolores, La Plata, Montezuma and San Juan Counties.

We are in need of qualified people to assist with judging our students' science exhibits. This is a great opportunity to get involved in the education of our local young people. You do not need to be an expert to be a good judge. All that is necessary is a willingness to spend time with students on the day of the fair, and a basic understanding of science and scientific methods. Judges conduct interviews with students about their projects, review exhibits, and ultimately select the winning entries.

Cash prizes or savings bonds will be awarded to the best individual projects in each of several exhibit categories that represent different scientific disciplines. Special awards are also available to outstanding entries identified in certain categories or subjects, including a trip to the Space Camp in Huntsville, Alabama for the best project with application to Space Sciences. The top twenty projects from our region are qualified to compete at the Colorado Science and Engineering Fair in Fort Collins in April.

The Regional Science Fair will be organized with judging teams assigned to evaluate and rank student projects. Within these teams, judges may choose to work individually, in pairs or in small groups. Some of our judges have indicated they prefer to work with another person who has more technical expertise than they to help evaluate the more advanced projects. Some have indicated they would prefer being paired with someone like a teacher or a coach to help them communicate more effectively with young students. If you have any such requests or concerns, please let me know.

Enclosed please find the *Judge Form* to complete and return if you would like to participate. We encourage everybody to sign up with a friend or colleague, and there is a place to indicate on the form if you would like us to send information to someone else. We are asking judges to plan to stay all day, from 7:30AM until approximately 2:30PM when the final decisions have been made.

Thank you for your time and consideration.

Lynn Schneider  
Regional Science Fair Coordinator  
970-385-9545  
[sciencefair@sjboces.org](mailto:sciencefair@sjboces.org)

P.S. We are also looking for non-judge volunteers. If you would like to help as a volunteer, please refer to the Volunteer Form.

*For more information, please contact Lynn at 970-385-9545  
Email: [sciencefair@sjboces.org](mailto:sciencefair@sjboces.org) or visit our website at [www.sjboces.org/sciencefair](http://www.sjboces.org/sciencefair)*



\_\_\_\_\_ **YES**, I will serve as a Science Fair judge on Thursday, March 3rd, 2011.

\_\_\_\_\_ I would like to participate but am only available these times: \_\_\_\_\_

\_\_\_\_\_ **NO**, I am not able to participate in 2011 but please keep me on the mailing list for 2012.

**Name:** \_\_\_\_\_  
Mr. Ms. Mrs. Dr.

Occupation or Specialty: \_\_\_\_\_

Sponsoring Employer: \_\_\_\_\_  
(Sponsoring employers will be gratefully acknowledged in the fair program and local papers after the event.)

How do you prefer to be contacted: *WORK or HOME? EMAIL, PHONE, or MAIL?*

Work Address: \_\_\_\_\_ Home Address: \_\_\_\_\_  
\_\_\_\_\_

Work Phone: \_\_\_\_\_ Home Phone: \_\_\_\_\_

Work Email: \_\_\_\_\_ Home Email: \_\_\_\_\_

*Please mark the exhibit categories you would like to judge, ranking your preference 1, 2, 3...*

(Category definitions attached).

- |                                      |                                |
|--------------------------------------|--------------------------------|
| _____ Animal Sciences                | _____ Math & Computer Sciences |
| _____ Behavioral and Social Sciences | _____ Medicine & Health        |
| _____ Chemistry                      | _____ Microbiology             |
| _____ Earth & Space Sciences         | _____ Physics                  |
| _____ Energy & Transportation        | _____ Plant Sciences           |
| _____ Engineering                    | _____ Team Projects            |
| _____ Environmental Science          | _____ No Preference            |

Are there people you recommend we contact about judging? Please provide names and contact information:

\_\_\_\_\_  
\_\_\_\_\_

Comments?

\_\_\_\_\_  
\_\_\_\_\_

For more information please contact: Lynn Schneider, Regional Science Fair Coordinator  
San Juan Board of Cooperative Educational Services  
**phone:** 970-385-9545  
**email:** sciencefair@sjboces.org

Please **FAX** completed form to **970-247-9646** or **MAIL** to: Lynn Schneider  
825 Valentine Dr | Durango, CO 81301



The definitions listed for each category below are not all-inclusive. For more definitions, visit:  
[http://www.societyforscience.org/isef/students/research\\_categories.asp](http://www.societyforscience.org/isef/students/research_categories.asp).

Please note that Regional Science Fair has fewer available categories than listed on the ISEF site.

#### **ANIMAL SCIENCES**

- Animal Husbandry
- Behavior, Development, Genetics, Health
- Disease Prevention, Diagnosis, Treatment; Pathology
- Ecology
- Physiology, Molecular Biology, Biochemistry

#### **BEHAVIORAL & SOCIAL SCIENCES**

- Anthropology, Archaeology, Ethnology
- Learning, Perception
- Linguistics
- Psychology, Social /Emotional Development
- Sociology

#### **CHEMISTRY**

- Analytical Chemistry, Measurement
- Food Chemistry
- Inorganic and Physical Chemistry
- Materials: Dyes, Plastics, Textiles
- Organic Chemistry, Synthesis

#### **EARTH AND PLANETARY SCIENCES**

- Climatology, Meteorology
- Geology, Mineralogy
- Geography, Geophysics, Tectonics
- Oceanography
- Paleontology
- Tectonics

#### **ENERGY AND TRANSPORTATION**

- Aerospace/Aeronautical Engineering, Aerodynamics
- Alternative Fuels
- Fossil Fuel Energy
- Vehicle Development
- Renewable Energies

#### **ENGINEERING**

- Bioengineering, Biomedical Engineering
- Civil and Structural Engineering, Construction
- Chemical Engineering
- Industrial Engineering, Processing
- Electrical Engineering, Computers, Controls
- Mechanical Engineering, Robotics

#### **ENVIRONMENTAL SCIENCES**

- Pollution Sources and Controls
- Conservation
- Ecosystems Management
- Natural Resource Management
- Waste Management

#### **MATH AND COMPUTER SCIENCES**

- Analysis, Algorithms, Data Bases
- Artificial Intelligence
- Computer Language, Programming, Networks, Systems
- General, Theoretical and Applied Mathematics
- Probability and Statistics

#### **MEDICINE & HEALTH**

- Disease Prevention, Diagnosis, Treatment; Pathology
- Epidemiology
- Genetics
- Physical Development, Health, Nutrition
- Physiology, Molecular Biology, Biochemistry

#### **MICROBIOLOGY**

- Bacteria, Fungi, Viruses, Yeasts
- Microbial Genetics

#### **PHYSICS**

- Acoustics
- Aerodynamics, Thermodynamics
- Magnetism and Electromagnetics
- Nuclear, Particle and Theoretical Physics
- Optics, Lasers

#### **PLANT SCIENCES**

- Agriculture, Agronomy, Horticulture
- Development, Health
- Disease Prevention, Diagnosis, Treatment; Pathology
- Ecology, Forestry, Genetics
- Photosynthesis
- Physiology, Molecular Biology

**TEAM PROJECTS:** Projects completed by two or three students in any discipline