



## HAWAI'I STATE SCIENCE AND ENGINEERING FAIR

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Scan and send by email, FAX or mail these forms to the science fair office.

*Note: ALL forms must be signed appropriately!*

### RESEARCH PROJECTS:

- Exhibit entry forms PAGES 1 & 2
- Student Checklist 1A
- Research Plan
- Approval Form 1B
- Checklist for Adult Sponsor
- Assistance Received Form
- Abstract
- Required & Signed Special Forms (see Handbook)

### DISPLAY PROJECTS:

- Exhibit entry forms PAGES 1 & 2
- Display Certification Form
- Assistance Received Form
- Summary

Email:

[acadsci@hawaii.edu](mailto:acadsci@hawaii.edu)

Fax:

(808) 956-5183

Mail:

Hawai'i Academy of Science  
1776 University Ave. UA4-4  
Honolulu, HI 96822  
(808) 956-7930

>>> **Make copies of all your completed forms and bring them to the State Science Fair.** <<<

# HSSEF 2011-2012 Entry Form, page 1

Proj# \_\_\_\_\_  
(Office Use Only)

- This form must be used as the District Fair Entry Form, or the School Entry Form if there is no district fair.
- If any information has changed (i.e. project title or mailing address), a new form must be submitted.
- Information for awards, certificates and the Official Program is taken from this form.  
**TYPE or LEGIBLY PRINT** all information. Double-check your form before sending it in.
- By entering the Hawai'i State Science and Engineering Fair (HSSEF) you are agreeing to be videotaped or photographed for various media or Hawai'i Academy of Science promotional material. If you do NOT wish to be photographed, please call our office for instructions at (808) 956-7930.

## School Information

School \_\_\_\_\_ School Phone \_\_\_\_\_ Fax \_\_\_\_\_

School Address \_\_\_\_\_

Science Fair Coordinator\* \_\_\_\_\_ Best Contact Info \_\_\_\_\_

\*(if different from teacher)

## Student or Team Leader Information - PRINT LEGIBLY!!

Student's Name \_\_\_\_\_

First

MI

Last

Female  Male (pls. check one) Grade \_\_\_\_\_ Age \_\_\_\_\_ E-mail \_\_\_\_\_

Mailing Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_ Phone \_\_\_\_\_

## Team Members - PRINT LEGIBLY!!

Second Student \_\_\_\_\_

First

MI

Last

Female  Male (pls. check one) Grade \_\_\_\_\_ Age \_\_\_\_\_ E-mail \_\_\_\_\_

Mailing Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_ Phone \_\_\_\_\_

Third Student \_\_\_\_\_

First

MI

Last

Female  Male (pls. check one) Grade \_\_\_\_\_ Age \_\_\_\_\_ E-mail \_\_\_\_\_

Mailing Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_ Phone \_\_\_\_\_

## Teacher and Mentor Information

Teacher or Adviser (full name) \_\_\_\_\_ Home Phone \_\_\_\_\_

Teacher's E-mail \_\_\_\_\_

Scientist Mentor (full name & affiliation) Dr./Mr./Ms. \_\_\_\_\_

# HSSEF 2011-2012 Entry Form, page 2

Student(s) Last Name(s) \_\_\_\_\_

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

**Exhibit Information**

This project needs to be on the **floor**; it is too tall to go on a table.

This project needs **electricity**. (Students needs to provide their own extension cords)

**Division** (Check one)

Senior Research\* (9–12)

Junior Research (6–8)

Junior Display (6–8)

**\*Senior Research** entrants, indicate if you will attend any of the following local universities if you are awarded a partial scholarship (check all that apply):  University of Hawaii  Chaminade University  Hawaii Pacific University

**Subject Category** Check only ONE.

1. Animal Sciences

10. Engergy & Transportation

2. Behavioral & Social Sciences

11. Environmental Management

3. Biochemistry

12. Environmental Sciences

4. Cellular & Molecular Biology

13. Mathematical Sciences

5. Chemistry

14. Medicine & Health Sciences

6. Computer Science

15. Microbiology

7. Earth & Planetary Science

16. Physics & Astronomy

8. Engineering: Electrical & Mechanical

17. Plant Sciences

9. Engineering: Materials & Bioengineering

**For District/School Fair use:**

Recommended \_\_\_\_\_ or Provisional \_\_\_\_\_ Rank \_\_\_\_\_ (rank all provisional projects ).

**Signature of the Chief Judge or Fair Coordinator:** \_\_\_\_\_

*Invalid if not completed and signed. By signing this form you are acknowledging that you have read and checked all forms for proper signatures and rules compliance.*

# HSSEF 2011-2012 Display Certification

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This form is required for **all DISPLAY projects**. Please **TYPE**. If you are a TEAM project, then you need a form for EACH member.

Name \_\_\_\_\_ Grade \_\_\_\_\_

School \_\_\_\_\_

Title of project \_\_\_\_\_

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Starting Date of Library Research \_\_\_\_\_

**All projects will be checked for safety. The following materials are prohibited from exhibition (including those listed under Safety Rules in the Science Fair Official Handbook):**

- Living organisms (i.e. plants, animals, microbes)
- Open or concealed flames or highly flammable materials
- Dangerous chemicals
- Tanks of flammable gas
- Batteries with open-top cells
- Laser radiation except for Class I, or Class II if properly shielded
- Unshielded apparatus with moving parts
- Any illegal drug
- Preserved animals, taxidermy specimens or parts, including embryos
- Pictures of surgical and other techniques used on animals
- Human parts except for properly acquired teeth, hair, nails and tissue slides
- Bare wire and knife switches on circuits of more than 12 volts
- Operating equipment at temperatures above 100°C without insulation
- Unshielded or ungrounded high voltage equipment

## Parental Approval

I have read and understand the Project Safety Rules on page 12 of the *Science Fair Handbook* or on this form.

Student's signature \_\_\_\_\_ Date \_\_\_\_\_

Parent's signature \_\_\_\_\_ Date \_\_\_\_\_

*If parents have any questions, contact the Science Fair Office (808) 956-7930 or acadsci@hawaii.edu*

## Teacher Approval

I agree to sponsor the student named above and assume the responsibility for compliance with all existing HSSEF rules as outlined in the Science Fair Official Handbook and on this form.

Teacher's Name \_\_\_\_\_

Teacher's Signature \_\_\_\_\_ Date \_\_\_\_\_

*If teachers have any questions, contact the Science Fair Office (808) 956-7930 or acadsci@hawaii.edu*

# HSSEF 2011-2012 Assistance Received Form

- To be completed by ALL STUDENTS and attached to the exhibit before judging at all science fairs.
- Circle the number that is closest to the amount of help you received in each area. If the description does not apply to a display project, then circle NA (not applicable).

## Overall Assistance Scale:

|                             |     |     |     |   |
|-----------------------------|-----|-----|-----|---|
| 0<br>Entirely by<br>myself. | 1/4 | 1/2 | 3/4 | 1<br>Entirely by<br>those who<br>assisted me. |
|-----------------------------|-----|-----|-----|---|

| Area  | Amount of Assistance |   |     |     |     |   |
|---|----------------------|---|-----|-----|-----|---|
| 1. Idea for project                             | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 2. Decision on how to solve the problem         | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 3. Design of experiments                        | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 4. Performing the experiments                   | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 5. Organization of the data                     | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 6. Interpretation of results                    | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 7. Conclusions                                  | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 8. Written report on the project                | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 9. Construction of display board                | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 10. Lettering on display board                  | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 11. Arrangement and design of display board     | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 12. Charts, diagrams, sketches on display board | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |
| 13. Wording on the display board                | NA                   | 0 | 1/4 | 1/2 | 3/4 | 1 |

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**Fold this bottom part under and tape to your exhibit table.**

Fair Exhibit Number: \_\_\_\_\_

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

I / We certify that the above information is correct.

\_\_\_\_\_  
Student Signature(s)

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

# HSSEF 2011-2012 Summary Form

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Exhibit # at State \_\_\_\_\_

This form is required for **all DISPLAY projects**. Please **TYPE** or **PRINT LEGIBLY**.

Display projects should have a summary of the main points and should convey the basic idea of your project.

Name \_\_\_\_\_ Grade \_\_\_\_\_

2nd Team Member \_\_\_\_\_ Grade \_\_\_\_\_

3rd Team Member \_\_\_\_\_ Grade \_\_\_\_\_

School \_\_\_\_\_

Title of project \_\_\_\_\_

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Subject Category \_\_\_\_\_

**Summarize** your project in 150–250 words, single-spaced.