

Name _____

Project Title _____

School _____

Amador County
Unified School
District



Please check ALL that pertains to your project

- Rules of Conduct and Release Form – **ALL STUDENTS**
- Liability for Exhibits Release Form – **ALL STUDENTS**
- Publicity Release Form – **ALL STUDENTS**
- Adult Sponsor Information Form 1 – **ALL STUDENTS**
- Student Checklist Form 1A – **ALL INDIVIDUAL PROJECTS**
- Student Checklist Form 1A – **ALL TEAM PROJECTS**
- Research Plan
- Approval – Form 1B – **ALL STUDENTS**

**Amador Regional Science & Engineering Fair 2008
Rules of Conduct and Releases**

Please read the following carefully, sign, and also obtain the signature of a parent or legal guardian.

ALL participating students MUST return this form with their paperwork to exhibit at the 2008 Fair.

Rules of Conduct

1. Scientific fraud and misconduct are not condoned at any level of research or competition. Plagiarism, use or presentation of other researcher's work as one's own, and fabrication of data will not be tolerated. Fraudulent projects will fail to qualify for competition.
2. The use of tobacco products, alcoholic beverages and/or drugs is prohibited.
3. Respect and maintenance of school property is required at all times.
4. Appropriate attire is expected. Please plan to wear casual business attire for the award ceremony held on Saturday evening after the Fair.
5. Attendance is mandatory during student interviews and at the public exhibition of projects on Saturday.

I have read and understand the above rules and agree to adhere to them to the best of my ability

Participating Student's Signature

Parent/Legal Guardian Signature

Liability for Exhibits

Every effort will be made to protect exhibits from loss or damage. However, since the exhibition of projects at the Amador Fair is open to the public, the Amador Regional Science & Engineering Fair (ARSEF) cannot and will not accept any liability or responsibility of any nature for any theft, loss or damage to any exhibit or any other property of any Exhibitor. Accordingly, it is recommended that each Exhibitor take all prudent precautions to prevent any theft, loss or damage to his/her Exhibit and/or other property. Each Exhibitor should secure and guard his/her Exhibit and/or other property at all times during the Exhibition, and remove all valuable components, especially those that are easily portable, when the Exhibit and/or other property is left unguarded by the Exhibitor.

I have read the above paragraph, and understand and accept the Amador Regional Science & Engineering Fair cannot and will not accept any liability or responsibility for theft or damage to my exhibit.

Participating Student's Signature

Parent/Legal Guardian Signature

Publicity

Organizations and businesses sponsoring awards at the ARSEF may wish to publicize their involvement in the ARSEF, which may include reports of achievements at the competition by using photographs or information about you. We request your availability and cooperation when contacted, interviewed, photographed and videotaped by the media before, during and after the ARSEF. In addition, limited travel to local media outlets within the ARSEF region may be necessary to accommodate interview requests. Advance notice will be given.

Appropriate information about me may be used for publicity purposes. This includes photographs submitted by me as well as any photographs, videos or likenesses that may be used by ARSEF or the sponsors of awards for the purposes of illustration, advertising or publication in any manner. I also consent to the use of my name in connection therewith and agree that I will cooperate with regard to all publicity in connection therewith for the duration of the ARSEF fair cycle.

Participating Student's Signature

Parent/Legal Guardian Signature

Student Checklist Form 1A

INDIVIDUAL Projects

- This completed form is required for ALL students entering an individual project. TYPE or PRINT all information requested.
- Every question must be answered. If the question does not apply to you or your project, enter N/A.
- Complete this application and have it approved and signed by your adult sponsor before you start to collect any data.
- Mail the signed application AS SOON AS POSSIBLE. Or give to your adult sponsor **ARSEF ~ 217 Rex Avenue ~ Jackson, CA 95642**
- The application DEADLINE is Friday, November 30, 2007.
- PLEASE PRINT LEGIBLY!**

1. TITLE OF PROJECT:

Please notify the science fair office if you change your title

2. Student's Full Name:

3. (Circle one) **Male / Female** Your Grade: _____

4. Home Address:

Street City Zip Code

5. Home Phone: _____

Email Address: _____

6. School Name: _____

7. Adult Sponsor

8. Do you need electric power when displaying your science fair project? Yes No

9. INDIVIDUAL PROJECTS – JUNIOR DIVISION

- Behavioral & Social Sciences
- Biological Sciences
- Engineering
- Math & Computer Sciences
- Physical Sciences

10. INDIVIDUAL PROJECTS – SENIOR DIVISION

- Animal Sciences
- Behavioral & Social Sciences
- Biochemistry
- Cellular and Molecular Biology
- Chemistry
- Computer Science
- Earth & Planetary Science
- Engineering: Materials & Bioengineering
- Engineering: Electrical & Mechanical
- Energy & Transportation
- Environmental Science
- Environmental Management
- Mathematical Sciences
- Medicine & Health Sciences
- Microbiology
- Physics & Astronomy
- Plant Sciences

Student Checklist Form 1A

TEAM Projects

- This completed form is required for ALL students entering as a team project. TYPE or PRINT all information requested.
- Every question must be answered. If the question does not apply to you or your project, enter N/A.
- Complete this application and have it approved and signed by your adult sponsor before you start to collect any data.
- Mail the signed application AS SOON AS POSSIBLE. Or Give to your adult sponsor **ARSEF ~ 217 Rex Avenue ~ Jackson, CA 95642**
- The application DEADLINE is Friday, December 21, 2007.
- PLEASE PRINT LEGIBLY!**

1. TITLE OF PROJECT: _____

NOTE: Please notify the science fair office if you change your title

2. Names: Team Leader: _____

Team Member: _____

Team Member: _____

3. (Team Leader Information 3-6) (Circle one) Male / Female Your Grade: _____

4. Home Address: _____

Street City Zip Code _____

5. Home Phone: _____

Email Address: _____

6. School Name: _____

7. Adult Sponsor*: _____

8. Do you need electric power when displaying your science fair project? Yes No

9. JUNIOR DIVISION

- Behavioral & Social Sciences
- Biological Sciences
- Engineering
- Math & Computer Sciences
- Physical Sciences

NOTE: Please notify the science fair office if your category changes

10. SENIOR DIVISION

- Animal Sciences
- Behavioral & Social Sciences
- Biochemistry
- Cellular and Molecular Biology
- Chemistry
- Computer Science
- Earth & Planetary Science
- Engineering: Materials & Bioengineering
- Engineering: Electrical & Mechanical
- Energy & Transportation
- Environmental Sciences
- Environmental Management
- Mathematical Sciences
- Medicine & Health Sciences
- Microbiology
- Physics & Astronomy
- Plant Sciences

RESEARCH PLAN

Required for ALL Projects

A complete Research Plan must accompany Student Checklist Form 1A

The Research Plan for **ALL** projects is to include the following:

A. What is the problem or question you intend to investigate?

B. What is your hypothesis or engineering goal?

C. Describe in detail the method or procedure you intend to use.

D. Bibliography

(The following are important and key items that should be included when formulating ANY AND ALL research plans. These are guidelines and should be followed where applicable. Refer to items 1-4 below.)

All Projects

- **Procedures:** Detail all procedures and experimental design to be used for data collection
- **Data Analysis:** Describe the procedures you will use to analyze the data that answer research question or hypothesis
- **Bibliography:** List at least five (5) major references (e.g. science journal articles, books, internet sites) from your literature review. If you plan to use vertebrate animals, give an additional animal care reference.
- Choose one style and use it consistently to reference the literature used in the research plan

1. Human subjects research (See instructions on p. 13 of the International Rules):

- Detail all procedures, include what the participants are asked to do (see p. 13)
- Describe Risk Assessment process and how risks will be minimized
- Strategies used to protect privacy and confidentiality
- Describe Study Sample/Participants
- Number of participants and estimated participants demographics (may include information such as:
age, male/female, cultural background breakdown, Socio-economic status)
- Recruitment procedures (where and how subjects are recruited)
- Procedures for obtaining informed consent must include statement about informing potential human subjects about voluntary nature of participation and right to withdraw at any time
- Include survey or questionnaires if used, and critically evaluate the risk
- List and describe the measures (questionnaires, surveys) used and how you measure the variable of interest (behavioral observations, time, length). Attach the questionnaire/survey
- Consider emotional stress and potential consequences
- Describe any physical activities or procedures, if used, and critically evaluate the risks
- Type, duration of exercise or physical activity
- Ingestion method, amount, intervals, etc.

2. Vertebrate animal research (See instructions on p.17 of the International Rules):

- Briefly discuss **POTENTIAL ALTERNATIVES** and present a detailed justification for use of vertebrate animals
- Explain potential impact or contribution this research may have
- Detail all procedures to be used
- Include methods used to minimize potential discomfort, distress, pain and injury to the animals during the course of experimentation
- Detailed chemical concentrations and drug dosages
- Detail animal numbers, species, strain, sex, age, etc.
- Include justification of the numbers planned for the research
- Describe housing and oversight of daily care
- Discuss disposition of the animals at the termination of the study

3. Potentially Hazardous Biological Agents (See instructions on p. 21 of the International Rules):

- Describe Biosafety Level Assessment process and resultant BSL determination
- Give source of agent, source of specific cell line, etc.
- Detail safety precautions
- Discuss methods of disposal

4. Hazardous Chemicals, Activities & Devices (See instructions on p. 25 of the International Rules):

- Describe Risk Assessment process and results
- Detail chemical concentrations and drug dosages
- Describe safety precautions and procedures to minimize risk
- Discuss methods of disposal

2008 ARSEF ~ Approval Form (Form 1B)

This completed form is required for ALL STUDENTS – including ALL TEAM MEMBERS

1) Required for ALL STUDENTS AND PARENTS.

a. Student Acknowledgment: I understand the risks and possible dangers to me of the proposed **Research Plan**. I have read the ARSEF Rules and Guidelines and will adhere to all International Rules and Guidelines when conducting this research.

Student's Printed Name

Signature and Date Acknowledged (must be prior to experimentation)

b. Parent/Guardian Approval: I have read and understand the risks and possible dangers involved in the sponsor approved **Research Plan**. I consent to my child participating in this research.

Parent/Guardian's Printed Name

Signature, Date of Approval (must be prior to experimentation)

2008 – ARSEF Adult Sponsor Information (Form 1)

Adult Sponsor's Printed Name

Signature of Adult Sponsor

Date of Review

Phone

Email