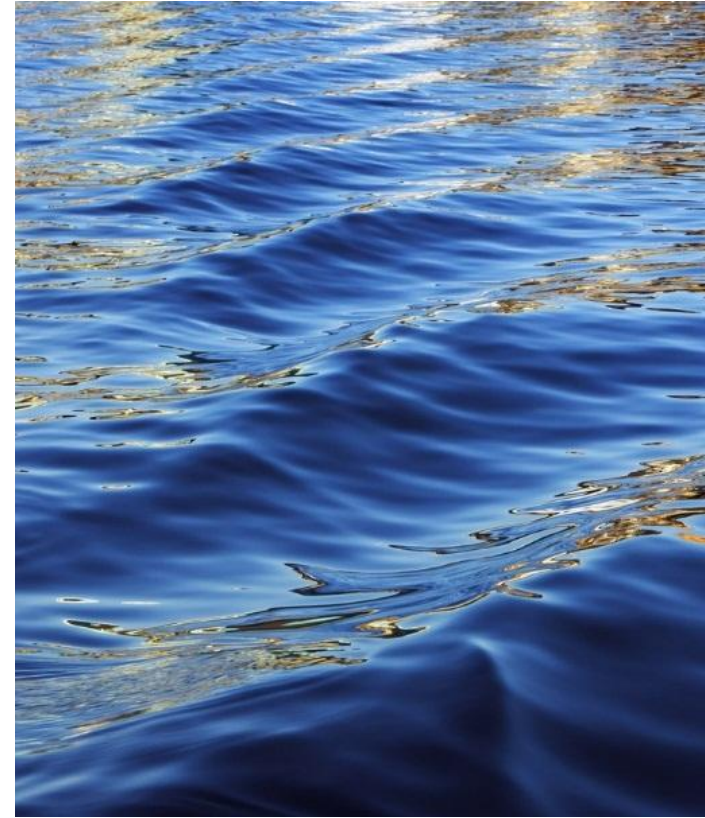


*San Luis Valley
Regional Science Fair*

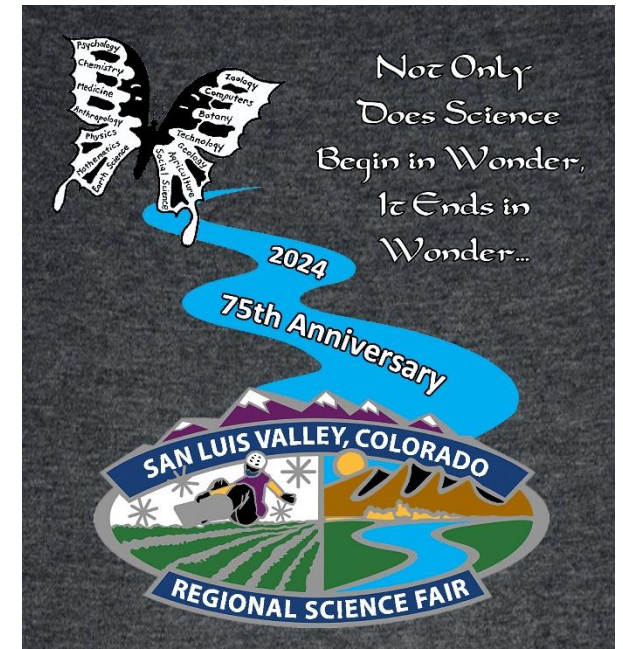
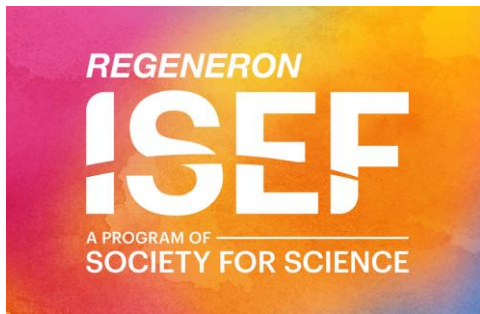
*Fall Orientation &
Rules Review*

2026-27



Agenda for Tonight...

- **5:30 pm – 5:45pm** - Welcome/Introductions/SLVRSF Timeline
- **5:45pm – 6:30pm** - SLVRSF/ISEF Updates, Rules, and Changes
(NEW, NEW, NEW!!)
- **6:30pm – 7:00pm** - Q & A from Teachers/Sponsors



Key Dates and Deadlines for the 2026-27 SLVRSF Cycle

10/5/26 – Launch of MySciFair, our new Fair Management System

11/20/26 – 1st REVIEW begins - Student Research Plan & Protocol forms
(created/uploaded & stored on MySciFair)

12/10/26 – 2nd REVIEW begins - Student Research Plan & Protocol forms

1/15/27 – FINAL REVIEW and APPROVAL of paperwork for SLVRSF

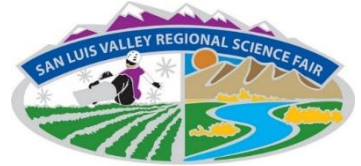
1/28/27 – Registration for SLVRSF FINALIZED on MySciFair

2/18 & 2/19/27 – SLV Regional Science Fair at Ski Hi Complex, Monte Vista

3/8/27 – Paperwork for State Qualifiers Uploaded to CSEF

CSEF – April 8th-10th, 2027

ISEF - Los Angeles, CA – May 9th-14th, 2027



Links to Helpful Resources

2027 ISEF Rules and Guidelines

<https://sspcdn.blob.core.windows.net/files/Documents/SEP/ISEF/2027/Rules/Book.pdf>

Rule Changes for 2027

<https://sspcdn.blob.core.windows.net/files/Documents/SEP/ISEF/2027/Rules/FINAL-Rule-Modifications-for-2026-27.pdf>

2027 ISEF Companion Guide

<https://sspcdn.blob.core.windows.net/files/Documents/SEP/ISEF/2027/Rules/Rules-Companion-Guide.pdf>

Fieldwork Safety Plan

<https://sspcdn.blob.core.windows.net/files/Documents/SEP/ISEF/2027/Rules/Field-Safety-Work-Plan.pdf>

ISEF Rules Wizard

<https://ruleswizard.societyforscience.org/>

Overview of Forms and Dates

<https://www.societyforscience.org/isef/overview-of-forms-and-dates/>

San Luis Valley Regional Science Fair

[SLVRSF.org](https://slvrsf.org)

Colorado Science & Engineering Fair

<https://csef.natsci.colostate.edu/>

International Science & Engineering Fair

<https://www.societyforscience.org/isef/>

ISEF Scientific Integrity Report

https://sspcdn.blob.core.windows.net/files/Documents/SEP/ISEF/2026/2026_Scientific_IntegrityReport.pdf

Frequently Asked Questions

<https://www.societyforscience.org/isef/international-rules/faq/>

Display and Safety Rules

<https://www.societyforscience.org/isef/international-rules/display-safety-rules/>

Overview of Important Rules Changes – 2026-27

For ALL PROJECTS...(pgs 3-5)

➤ *In the Eligibility/Limitations section*

Artificial Intelligence (AI) may be used as a resource but must be cited and given proper acknowledgment. A student is expected to do independent work **and all materials presented must be in the researcher's own words. A student** may not use generative AI to write the research plan, abstract, poster or to create citations (it is known to hallucinate and falsify references).

➤ *Under Documentation and Approval*

Student researchers must have a Research Plan that includes: **a. Rationale b. Research Question/Hypothesis(es), Engineering Goal(s), Expected Outcomes c. List of Materials d. Procedures e. Risk and Safety f. Data Analysis g. Bibliography**

Overview of Important Rules Changes – 2026-27

For HUMAN PARTICIPANT RULES... (pgs 6-9)

➤ *Under Prohibited, #1b. was edited to include #1d*

Students are prohibited from disclosing research data from their study and/or from providing advice, diagnostic or medical information to participants ~~without direct supervision and involvement of a medical professional~~.

➤ *Under Rules, #2c*

For studies involving minors, if the study includes a survey, the survey must be attached to the consent form as part of the written parental permission process and parental permission obtained prior to the minor accessing the survey.

➤ *Under Rules, #6*

Studies that involve recruitment and interaction with human participants online or via the internet are allowed if they adhere to all of the human participant rules above regarding consent processes and restrictions, including obtaining written parental permission for studies involving minors. This written parental permission must include a copy of the survey and be obtained prior to a minor accessing the online survey. In order to protect the confidentiality of the participants, it is extremely important that IP addresses, as well as the data provided, be safeguarded.

Overview of Important Rules Changes – 2026-27

For VERTEBRATE ANIMAL RULES...(pgs 10-12)

➤ *Under Prohibited Studies, #4 b. was added*

b. For agricultural/aquacultural projects raised for food see "After Experimentation/Euthanasia" section.

Overview of Important Rules Changes – 2026-27

For POTENTIALLY HAZARDOUS BIOLOGICAL AGENTS (PHBA) RULES...(pgs 13-15)

➤ *Under Prohibited Studies, #5 was edited to clarify the prion rule*

All studies involving the use of prions or commercially available purified prion-like proteins are prohibited. This includes studies working with amyloid-beta (Ab), tau, alpha-synuclein, transactive response DNA-binding protein of 43kDa, amyloid fibrils, and Huntingtin protein. Studies involving plasmids that contain genes encoding prion-like proteins are also prohibited.

➤ *Under Prohibited Studies, #8 was edited*

Students are prohibited from collecting water samples during a Harmful Algal Bloom (HAB). Qualified personnel may collect the water samples and provide the student with the samples for testing. All water testing must be done in a BSL-2 lab, under BSL-2 conditions.

➤ *Under Rules, #8 was edited for clarity*

Studies involving animal models that have been bred to express prion-like proteins, including but not limited to C. elegans and Drosophila, are permissible in a BSL-1 laboratory, if the studies are behavioral only and do not involve lysing or dissection of cells or purification of proteins. Work involving the lysis of cells or cell lines and/or purification of prion-like proteins must be conducted in a BSL-2 laboratory, under BSL-2 conditions.

Overview of Important Rules Changes – 2026-27

For POTENTIALLY HAZARDOUS BIOLOGICAL AGENTS (PHBA) RULES...(pgs 13-15)

➤ *Under Projects Involving Unknown Microorganisms*

a. was deleted as it was a repetition of b.

➤ *Under Exempt Studies (no SRC pre-approval required)*

Studies involving Lactobacillus, Bacillus thuringiensis, nitrogen-fixing **bacteria (excluding cyanobacteria)**, oil-eating **bacteria**, and algae-eating bacteria introduced into their natural environment (not exempt if cultured in a petri dish environment).

Overview of Important Rules Changes – 2026-27

For TISSUE & BODY FLUID RULES...(pgs 16-17)

- *Under Rules, item within #7 was re-arranged for clarity*
- *Under Exempt Tissues, b. and d. were edited for clarity*

b. Plant and ~~vertebrate non-primate~~ established cell lines and tissue culture collections (e.g., obtained from the American Type Culture Collection). The source and/or catalog number of the cultures must be identified in the Research Plan/Project Summary and on ~~forms 6A and 6B~~ Form 3.

~~Collection and/or study without culturing of eggs, pasteurized milk or~~ fresh/frozen meat and meat by-products obtained from food stores, restaurants, or packing houses. ~~and eggs or pasteurized milk~~

Overview of Important Rules Changes – 2026-27

For HAZARDOUS CHEMICALS, ACTIVITIES, or DEVICES RULES...(pgs 16-17)

➤ *Under CHEMICALS, #2 was edited*

Projects involving chemicals that are listed as carcinogenic, teratogenic, or reproductive system damaging on the SDS must be conducted at an RRI or in a restricted access fume hood outside of the regular classroom (i.e. school lab). The qualified scientist and direct supervisor must have training in the usage, safe handling, and disposal of the chemicals.

➤ *Under DEA Controlled Substances, #2 was edited*

All studies using DEA Schedule 1 substances (~~including marijuana~~) must have the research protocol approved by DEA before research begins. Schedule 2, 3 and 4 substances do not require protocol approval by DEA.

Overview of Important Rules Changes – 2026-27

Changes involving FORMS

➤ *Student Support Disclosure Form (Form 2A)*

This is a new form that is required for all projects. It can be filled out before or after experimentation by the finalist.

➤ *Qualified Scientist (Form 2B)*

Renumbered to be **2B** (formerly 2)

Question 5 was added... **"Please describe your anticipated role in this project and the duration of your support"**

➤ *Regulated Research Institutional/Industrial Setting Form (2C)*

Renumbered to be **2C** (formerly 1C)

Question 2b was added... **"What was the duration of your support of this student project?"**

➤ *Human and Vertebrate Animal Tissue Form (6B)*

Checkboxes were added to question 1 to provide more tissue options.

Forms will be completed within the MySciFair platform... There is no need to download copies from CSEF or ISEF in this new system!

Registrations are project-based, and not student-based... So once a project is created, other students, teachers, and parents are invited to join the project and fill out & sign forms...

I will schedule Zoom sessions in late Sept-Early Oct. to help teachers understand the process of creating MySciFair projects... Elem and MS teachers can create project on behalf of their students!

Forms Available on MySciFair

Elementary – 4th and 5th grade

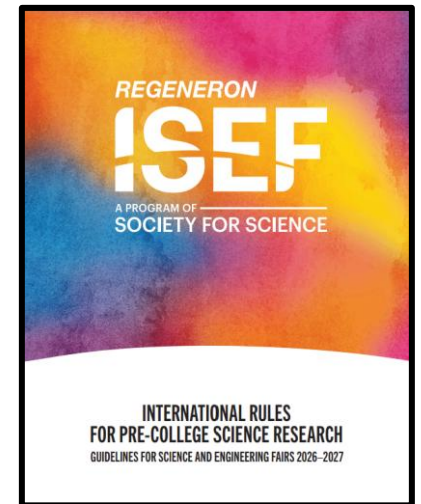
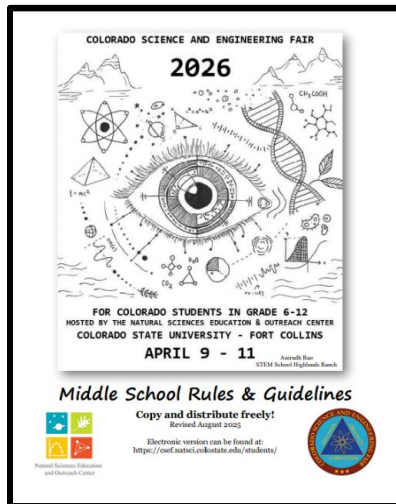
Can use either ISEF forms or CSEF MS forms

Junior – 6th through 8th grade

Can use either ISEF forms or CSEF MS forms

Senior – 9th through 12th grade

Must use ISEF forms



Types of Committees...

IRB – Institutional Review Board...

- *Reviews human participant studies...*
- *Membership must include:*
 - *An educator*
 - *A school administrator*
 - *Someone knowledgeable about evaluating physical and/or psychological risk: MD, PA, RN, psychologist, licensed social worker, or licensed clinical counselor*

SRC – Scientific Review Committee...

- *REGIONAL Members must include...*
 - *A biomedical scientist with a Doctoral degree*
 - *An educator*
 - *At least one other member*
- *Appropriate LOCAL School SRC Members may include...*
 - *BA/BS or MA/MS Science majors*
 - *Science educators or Specialists with training and/or experience*

Every effort should be made to create LOCAL IRB and SRC teams!! The role of the Regional SRC team is to **DOUBLE-CHECK** the paperwork **AFTER** Local review and approval!

Adult Sponsors, Direct Supervisors, Parents, and Mentors cannot serve on their student's IRB/SRC teams (conflict of Interest)

Some Common Problems we discover during SRC Review...

Parts of the Form are blank or incomplete...

Solution: Be **DETAILED & EXPLICIT**, and check **EVERY** line and **EVERY** box! (avoid "N.A.")

Forms are from the wrong year, or are missing...

Solution: Use this year's forms and know which ones are needed for your student's project

Forms are unreadable...

Solution: Have students type their information (using Google Docs, DocHub or similar)

Copies of unnecessary Forms are included in submissions...

Solution: Only include the necessary forms, and remove the non-applicable ones

*****It is ultimately the responsibility of the ADULT SPONSOR to ensure that the student's paperwork is complete and correct!!*****

Checklist for Adult Sponsor (1)
This completed form is required for ALL projects.

Adult Sponsor In collaboration with the student researcher(s):

Student Checklist (1A)
This form is required for ALL projects.

Approval Form (1B)

This completed form is required for each student, including all team members.

Completed by Student and Parent
Acknowledgement:

Human Participants Form (4)

Research involving human participants not at a Regulated Research Institution. If at a Regulated Research Institution, use Institutional approval forms for documentation of prior review and approval. (IRB approval required before experimentation.)

Display & Safety!

The ISEF website does a good job listing what's allowed, and what's not..

<https://www.societyforscience.org/isef/international-rules/display-safety-rules/>



The Do's and Don'ts of D&S...

Total Display Size = 27.5 in. x 48 in. x 94 in.

The Display Should Have...

An Introduction, Research Questions, Engineering Goals, Hypotheses, Predictions, Methods, Data, Discussion, a Conclusion, and Data books/Journals

Credits/Source Citations for EVERY ITEM

- **Photos** (any identifiable photos of people besides the student need written permission from that individual)
- **Web Image Credits** (including any background images)
- **Graphs/Charts/Maps/Data Table Credits**
EACH ITEM must have ITS OWN Source Citation, including what software was used to create it... NO blanket statements!

The Display Should NOT Have...

- Water, chemicals, tissues, sand/soil, raw plant material, dangerous devices, most lasers, 3D printers, glass, sharps, pressurized tanks, exposed wiring, etc.
- Logos, promotional material, business cards, or advertisements
- Photos of necrotic tissue, animals in surgical situations, or animals in distress
- QR codes or personally identifiable student information
- Patents, or patents pending...

Overview of Junior/Senior Forms...

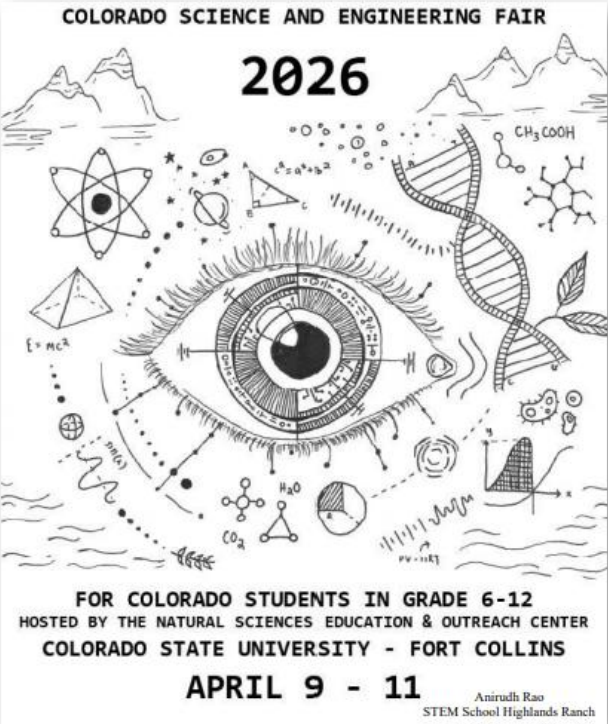
The complete set of
forms are available on
MySciFair, as well as:

CSEF Website...

[https://csef.natsci.
colostate.edu/](https://csef.natsci.colostate.edu/)

ISEF Website

[https://www.societyfor
science.org/isef/](https://www.societyfor
science.org/isef/)



COLORADO SCIENCE AND ENGINEERING FAIR
2026

FOR COLORADO STUDENTS IN GRADE 6-12
HOSTED BY THE NATURAL SCIENCES EDUCATION & OUTREACH CENTER
COLORADO STATE UNIVERSITY - FORT COLLINS
APRIL 9 - 11
Anirudh Rao
STEM School Highlands Ranch

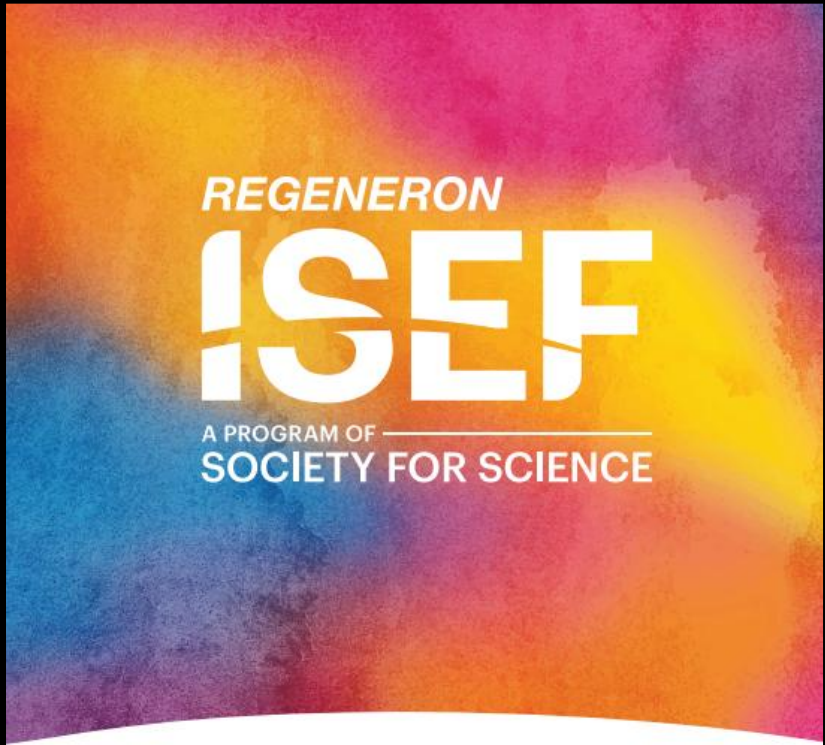
Middle School Rules & Guidelines

Copy and distribute freely!
Revised August 2025

Electronic version can be found at:
<https://csef.natsci.colostate.edu/students/>



Natural Sciences Education
and Outreach Center



REGENERON
ISEF
A PROGRAM OF
SOCIETY FOR SCIENCE

**INTERNATIONAL RULES
FOR PRE-COLLEGE SCIENCE RESEARCH**
GUIDELINES FOR SCIENCE AND ENGINEERING FAIRS 2025-2026

What Forms are **REQUIRED** for ALL Jr./Sen. projects?

- ✓ Form 1
- ✓ Form 1A
- ✓ Form 1B
- ✓ **Form 2A**
- ✓ Form 3

COLORADO SCIENCE AND ENGINEERING FAIR

2026



FOR COLORADO STUDENTS IN GRADE 6-12
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APRIL 9 - 11

Anirudh Rao
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INTERNATIONAL RULES
FOR PRE-COLLEGE SCIENCE RESEARCH
GUIDELINES FOR SCIENCE AND ENGINEERING FAIRS 2025-2026

Form 1

Adult Sponsor Checklist

The Adult Sponsor

This person is generally the SPONSOR (teacher) of the student and is responsible for paperwork and knowing the rules!

Middle School - Adult Sponsor Checklist Form (1) This form is required for ALL projects and MUST be completed PRIOR to experimentation.		
This form is to be completed by the Adult Sponsor in collaboration with the Student Researcher/Team Leader.		
Student's Name(s): _____		
Project Title: _____		
1. Adult Sponsor, please certify that you have reviewed the following with the Student Researcher and agree with them by initialing each line :		
_____ a. I have reviewed the Rules & Guidelines for Middle School Science Research that apply to this project.		
_____ b. I have reviewed the completed Student Researcher Checklist Form (1A).		
_____ c. I have read and reviewed the Research Proposal and have determined it is appropriate.		
_____ d. I have reviewed the completed Risk Assessment Form (3), approve of the chosen Direct Supervisor and will train them if necessary.		
2. The Student Researcher ☐ will / ☐ will not employ the expertise of a Qualified Scientist/Mentor . If yes, a Qualified Scientist/Mentor Form 2 is required. Please note, that the school/local SRC or IRB may require a student work with a Qualified Scientist.		
3. The Student Researcher ☐ will / ☐ will not work on the project at a Regulated Research Institution (i.e. <i>university or college</i>) or an Industrial Setting (i.e. <i>hospital, water treatment plant, private lab, etc.</i>). If yes, a Regulated Research Institution/Industrial Setting Form 1C will be required AFTER the project is completed.		
4. This project ☐ is / ☐ is not a continuation/progression from a previous year. If yes, a Continuation Form 7 is required along with all previous years' abstracts and research plans.		
5. This project ☐ does / ☐ does not involve human testing of a student deigned invention, prototype or computer application. If yes, #6 needs to be marked for Human Subjects and Form 4 must be completed.		
6. This project ☐ does / ☐ does not involve one or more of the following, requiring PRIOR approval by an SRC and/or an IRB. Please check all that apply:		
☐ Human Participants – Projects involving human subjects require PRIOR approval by an IRB and the following:		
– Human Participants Form 4 AND POSSIBLY		
– Unsigned Sample of Informed Consent Form (if required by the IRB) AND POSSIBLY		
– Qualified Scientist/Mentor Form 2 (if required by the IRB)		
☐ Vertebrate Animals – Projects involving vertebrate animals require the following:		
– Vertebrate Animal Form 5A – if project is conducted at school, home or in a field setting; PRIOR school/local SRC approval is required in this case OR		
– Vertebrate Animal Form 5B – if project is conducted at a Regulated Research Institution; PRIOR Institutional Animal Care and Use Committee (IACUC) approval is required in this case AND POSSIBLY		
– Qualified Scientist/Mentor Form 2 (if required by the SRC)		
☐ Potentially Hazardous Biological Agents – Projects involving microorganisms (known and unknown), rDNA and human or animal tissue require PRIOR approval by either the school/local SRC or university regulatory board and the following:		
– Potentially Hazardous Biological Agents Risk Assessment Form 6A AND POSSIBLY		
– Human and Vertebrate Animal Tissue Form 6B (to be completed along with Form 6A when a project involves fresh or frozen tissue, primary cell cultures, blood, blood products and bodily fluids) AND POSSIBLY		
– Qualified Scientist/Mentor Form 2 (if required by the SRC)		
I attest to the information checked above and that I have read and agree to abide by the science fair ethics statement found on Page 4.		
Adult Sponsor's Printed Name	Adult Sponsor's Signature	Date of Review (mm/dd/yy)
Phone Number	Email	
2025/2026		Page 9

Checklist for Adult Sponsor (1) This form is required for ALL projects. This form must be completed by the adult sponsor BEFORE experimentation.		
To be completed by the Adult Sponsor in collaboration with the student researcher(s):		
Student's Name(s): _____		
Project Title: _____		
1. ☐ I have reviewed the ISEF Rules and Guidelines, including the science fair ethics statement.		
2. ☐ I have reviewed the student's completed Student Checklist (1A) and Research Plan/Project Addendum.		
3. ☐ I have worked with the student and we have discussed the possible risks involved in the project.		
4. ☐ The project involves one or more of the following and requires prior approval by an SRC, IRB, IACUC or IBC:		
☐ Humans ☐ Potentially Hazardous Biological Agents		
☐ Vertebrate Animals ☐ Microorganisms ☐ rDNA ☐ Tissues		
5. ☐ Items to be completed for ALL PROJECTS		
☐ Adult Sponsor Checklist (1) ☐ Research Plan/Project Addendum ☐ Student Support Disclosure Form (2A)		
☐ Student Checklist (1A) ☐ Approval Form (1B)		
☐ Regulated Research Institutional/Industrial Setting Form (2C) (when applicable; after completed experiment)		
☐ Continuation/Research Progression Form (7) (when applicable)		
Additional forms required if the project includes the use of one or more of the following (check all that apply):		
☐ Humans , including student designed inventions/prototypes. (Requires prior approval by an Institutional Review Board (IRB); see full text of the rules.)		
☐ Human Participants Form (4) or appropriate Institutional IRB documentation		
☐ Sample of Informed Consent Form (when applicable and/or required by the IRB)		
☐ Qualified Scientist Form (2B) (when applicable and/or required by the IRB)		
☐ Vertebrate Animals (Requires prior approval, see full text of the rules.)		
☐ Vertebrate Animal Form (5A)-for projects conducted in a school/home/field research site (SRC prior approval required)		
☐ Vertebrate Animal Form (5B)-for projects conducted at a Regulated Research Institution. (Institutional Animal Care and Use Committee (IACUC) approval required prior experimentation.)		
☐ Qualified Scientist Form (2B) (Required for all vertebrate animal projects at a regulated research site or when applicable)		
☐ Potentially Hazardous Biological Agents (Requires prior approval by SRC, IACUC or IBC, see full text of the rules.)		
☐ Potentially Hazardous Biological Agents Risk Assessment Form (6A)		
☐ Human and Vertebrate Animal Tissue Form (6B)-to be completed in addition to Form 6A when project involves the use of fresh or frozen tissue, primary cell cultures, blood, blood products and body fluids.		
☐ Qualified Scientist Form (2B) (when applicable)		
☐ The following are exempt from prior review but require a Risk Assessment Form 3: projects involving protists, archae and similar microorganisms, for projects using manure for composting, fuel production or other non-culturing experiments, projects using color change coliform water test kits, microbial fuel cells, and projects involving decomposing vertebrate organisms.		
☐ Hazardous Chemicals, Activities and Devices		
☐ Risk Assessment Form (3)		
☐ Qualified Scientist Form (2B) (as applicable, see full text of the rules)		
☐ Other		
☐ Risk Assessment Form (3)		
☐ I attest to the information checked above and that I have read and agree to abide by the science fair ethics statement.		
Adult Sponsor's Printed Name	Signature	Date of Review (mm/dd/yy)

Form 1A

Student Checklist

- This form *frequently* has missing or incorrect information
- Emails, phone #s
 - Start Dates *cannot* be before necessary approval signatures!

Middle School - Student Researcher Checklist Form (1A)
This form is required for ALL projects and MUST be completed PRIOR to experimentation.

This form is to be completed by the Student Researcher/Team Leader before submitting it with the Research Proposal, Approval Form 1B, Risk Assessment Form 3 and other relevant forms to the Adult Sponsor for approval.

- This project will be an ☐ Individual ☐ Team project. The student(s) working on this project will be:
Individual/Team Leader: _____ Grade: _____
Email: _____ Phone: _____
Team Member 1: _____ Grade: _____
Team Member 2: _____ Grade: _____
- Project Title: _____
- School: _____ School Phone: _____
School's Physical Address: _____
- Adult Sponsor: _____ Email: _____
MUST match person signing Form 1!
- This project ☐ does ☐ does not require PRIOR SRC or IRB approval.
- I/We plan on starting our experimentation/data collection/engineering of the project on: _____ (mm/dd/yy)
- This project ☐ is ☐ is not a continuation or progression from a previous year. If yes, a Continuation/Progression Form 7 is required along with all previous years' abstracts and research proposals or summaries.
- The **ACTUAL** experimentation/data collection/engineering designing began and ended on the following dates (this can be filled in once the project is completed):
ACTUAL Start Date (mm/dd/yy) _____ ACTUAL End Date (mm/dd/yy) _____
- I/We will be conducting experimentation at the following work site(s):
(check ALL that apply & explain in the Research Proposal)
☐ Research Institution ☐ School ☐ Field ☐ Home ☐ Other: _____
- I/We will be getting our data from the following sources:
☐ Collected by self/mentor ☐ Other: _____
(please describe or give URL - attach additional pages as needed)
- Non-school and non-home work site physical address(es) are:
(regulated research institutions, industrial settings, field sites - attach additional pages as needed)
Site 1 Name: _____ Site 2 Name: _____
Site 1 Address: _____ Site 2 Address: _____
Site 1 Phone Number: _____ Site 2 Phone Number: _____
Site 1 Email: _____ Site 2 Email: _____

Prepare a Research Proposal following the instructions on page 10 and attach to this form for review.

Student Checklist (1A)
This form is required for ALL projects.
This form must be completed by the student(s) BEFORE experimentation.

- a. Student/Team Leader: _____ Grade: _____
Email: _____ Phone: _____
b. Team Member: _____ c. Team Member: _____
- Title of Project: _____
- School: _____ School Phone: _____
(if multiple schools, list of the team leader or list all schools).
School Address: _____
- Adult Sponsor: _____ Phone/Email: _____
- Where will you conduct your experimentation? (check all that apply)
☐ Research Institution ☐ School ☐ Field ☐ Home ☐ Other: _____
- List the name and address of all non-home and non-school work site(s), whether you worked there virtually or on-site:
Name _____
Address _____
Phone/email _____
- Does this project need SRC/IRB/IACUC or other pre-approval? ☐ Yes ☐ No Tentative start date: _____
- This year's experimentation/data collection:
Actual Start Date: (mm/dd/yy) _____ End Date: (mm/dd/yy) _____
- Is this a continuation/progression from a previous year? ☐ Yes ☐ No
a. If yes, attach the previous year's ☐ Abstract and ☐ Research Plan/Project Addendum
b. Explain how this project is new and different from previous years on
☐ Continuation/Research Progression Form (7); include forms for all previous years
- Source of Data:
☐ self-collected ☐ mentor collected ☐ publicly available ☐ Other _____

Provide a complete Research Plan/Project Addendum with this form.

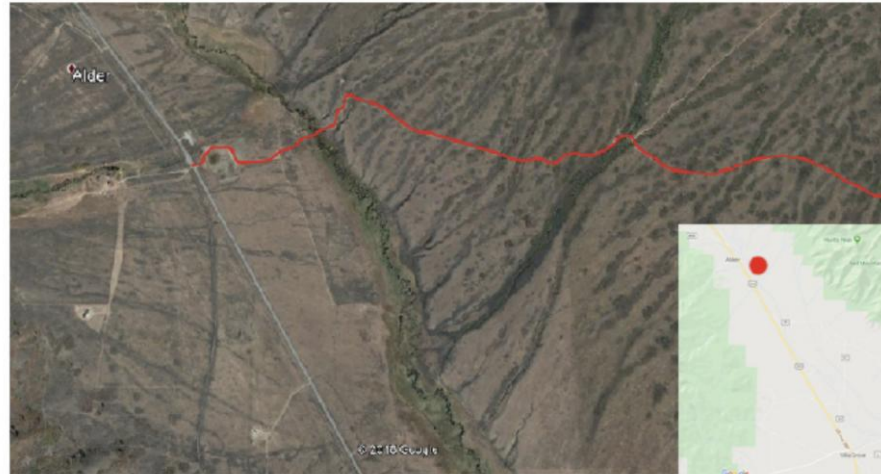
Form 1A

Student Checklist Attachments

- *Make sure to include Addresses and/or Maps for ALL non-school or non-home locations! (labs, hospitals, field sites, etc.)*
- *Maps should include sample waypoints and descriptions of how to get to the site from known landmarks*
- *Maps should be attached to the 1A Form*

Andres Villa - Form 1A Attachment - 2019-20

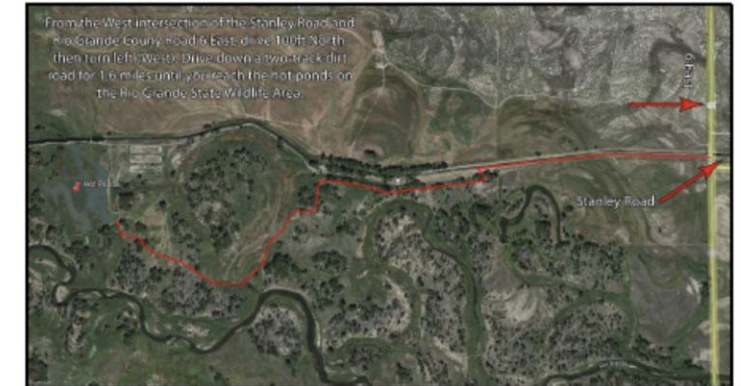
At approximately 10 miles N of Villa Grove, Saguache County, CO, take a right off Highway 285 onto Merit Creek Rd. At the first Y intersection, take a left, at the next intersection, keep right on road. Follow this road until the next Y intersection, where you will keep right again, and at approximately 2 3/4 miles from the highway will be the end of the extent of the research area. Research will be conducted up to one mile N and S of the road.



Student Checklist 1A - Attachment - Marissa L. Martinez - 2022-23

Field Site Locations

The Efficacy of Abiotic/Biotic Factors and Trap Design for Effective Capture of Invasive American Bullfrog Tadpoles (*Lithobates catesbeianus*)



Research Plans

Research plans need to be HIGHLY DETAILED, and address critical detail for the SPECIFIC TYPE of project!

- Read PAGE 2 of Form 1A!!
- COMPLETE Materials List
- Type/Amount/Source of materials
- Risk/Safety discussion
- Accurate and appropriate Bibliography
- Acknowledgements

Middle School - Research Proposal Instructions

A typed, detailed research proposal is required for ALL projects and MUST accompany the Student Researcher Checklist Form (1A) and Risk Assessment Form (3) and be completed PRIOR to experimentation.

The Research Proposal is a brief, but detailed explanation of the rationale behind the project idea, the research question(s), the procedures/methodology, the risk assessment and background exploration. This MUST be completed PRIOR to experimentation in order to be approved by the Adult Sponsor and the SRC/IRB (if required). Any changes to this proposal MUST be documented (make an amendment to the original document) and approved by the Adult Sponsor and the SRC/IRB (if required) before work can continue on the project.

- The research proposal for ALL projects MUST include the following parts:
1. What is the **rationale/reason** for doing this project? Include a brief summary of the background research you did in relation to your project and explain why this research is important scientifically and, if applicable, any impacts to society in general your research has.
 2. State your **hypothesis(es), research question(s), engineering goal(s),** and/or **expected outcomes** (predictions) for your project. Be sure this ties into your rationale/reason.
 3. Provide a CO
 4. Detail ALL p to include ex directly, incl what will be i
 5. Identify AN' completing y for your proje
 6. Describe the question(s) or
 7. List the **major** you read in y vertebrate an that Wikipedi

If your project incl Agents (microorgan page 11.

If changes are made proposal as an add appropriate review a and computer sciens these cases, a **Projec**

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Middle School - Research Proposal Instructions cont.

A typed, detailed research proposal is required for ALL projects and MUST accompany the Student Researcher Checklist Form (1A) and Risk Assessment Form (3) and be completed PRIOR to experimentation.

Human Participants: Prior IRB approval and Form 4 are required. An Informed Consent Form and Qualified Scientist/Mentor (Form 2) may be required by the IRB.

- a. Describe in general the type of people who will participate in your study (age range, gender, racial/ethnic composition, etc.). Be sure to identify any protected groups of people (minors, pregnant women, prisoners, mentally disabled or economically disadvantaged).
- b. Where will you recruit your participants? How will they be invited to participate?
- c. What exactly will the participants be asked to do? Include any surveys, questionnaire or test questions that you want to use. If you plan on using something that you did not create, does it require permission? How often and for how long will each participant be asked to commit to?
- d. What are the potential risks or discomforts (*remember to think about emotional as well as physical*) to the participants? How will you minimize those risks?
- e. What are the potential benefits to the individual participants as well as to society in general?
- f. Will you be collecting any identifiable information (i.e. name, age, grade, phone numbers, birth dates, emails, etc.)? Is this a confidential or anonymous study?

Confidential studies may collect identifiable information but must be kept separate from the data being analyzed using a number key that only the researcher and adult sponsor has access to.

Anonymous studies don't collect any identifiable information along with the study so that not even the researcher or adult sponsor knows who gave what answers.

- g. How will you inform participants about the purpose of the study, what they will be asked to do, that their participation is voluntary and they have the right to stop at any time? This can be done via an Informed Consent Form or on the survey directly if informed consent is not required by the IRB.

Vertebrate Animals: Prior SRC approval and Form 5A or 5B are required. A Qualified Scientist/Mentor Form 2 may be required by the SRC.

- a. Briefly discuss potential ALTERNATIVES to vertebrate animal use in your project and a detailed justification for using vertebrate animals. Explain the potential impact or contribution to society this project may have.
- b. All procedures must be DETAILED and include methods used to minimize potential discomfort, distress, pain and injury to the animals during experimentation. If chemicals or drugs are used, concentrations and dosages MUST be exact.
- c. What is the species, strain, sex, age, etc. of the animals being used? How many animals will you be using in the study and why is that number appropriate? What is the source of the animals?
- d. Where will the animals be housed (cage/housing size, bedding, etc.). What will be included in the daily care of the animals (food, water, exercise, etc.)?
- e. What will happen to the animals at the end of the study?

Potentially Hazardous Biological Agents: Prior SRC approval and Form 6A are required. A Form 6B and Qualified Scientist/Mentor (Form 2) may be required.

- a. What biological agent (microorganism, rDNA, tissue, cell line, etc.) are you using and where did it come from?
- b. What Biosafety Level did you determine your project involves and why?
- c. How are you going to keep yourself and others in the lab safe while you are working with the biological agents?
- d. How are you going to dispose of the biological agents once your project is complete?

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Research Plan/Project Addendum

A Research Plan/Project Addendum is required for ALL projects. The plan must be written BEFORE experimentation.

1. The Research Plan is to be written prior to experimentation.
2. If changes are made during the research before competing at an affiliated fair, such changes must be added as an addendum to the original plan. Be aware that some changes may require obtaining or returning to the IRB or SRC for appropriate review and approvals before conducting that portion of the project. If there are no changes, an addendum is not required.
3. The Research Plan/Project Addendum should include the following:
 - a. **RATIONALE:** Include a brief synopsis of the background that supports your research question/goal.
 - b. **RESEARCH QUESTION(S), HYPOTHESIS(ES), ENGINEERING GOAL(S), EXPECTED OUTCOMES:** Include a brief synopsis of the background that supports your research question/goal.
 - c. Describe the following in detail (include any required subject-specific additions to your Research Plan (listed below):
 - **List of materials:**
 - **Procedures/Methodology:** Detail all procedures and steps of the experimental design including methods for data collection, and when applicable, the source of data used. Be sure to differentiate steps to be taken by you and the steps that are to be taken by any supervising adult(s).
 - **Risk and Safety:** Identify any potential risks and describe safety precautions to be taken.
 - **Data Analysis:** Describe the procedures you will use to analyze the data/results.
 - d. **ACKNOWLEDGEMENTS:** List all individuals that supported your project and the contributions that they made. If AI was used, document this support with a prompt log or an explanation of the elements of the project that involved AI support.
 - e. **BIBLIOGRAPHY:** List major references (e.g. science journal articles, books, internet sites) from your literature review. Ensure that all references are properly listed and verified (The use of AI for citations is discouraged; it is known to hallucinate and produce false citations which becomes an ethical issue if you cite sources that are false or that you did not actually reference.)

Items 1-4 below are subject-specific guidelines for additional items to be included in your Research Plan/Project Addendum as applicable.

1. **Human participants research:**
 - a. **Participants:** Describe age range, gender, racial/ethnic composition of participants. Identify vulnerable populations (minors, pregnant women, prisoners, mentally disabled or economically disadvantaged).
 - b. **Recruitment:** Where will you find your participants? How will they be invited to participate?
 - c. **Methods:** What will participants be asked to do? Will you use any surveys, questionnaires or tests? If yes and not your own, how did you obtain? Did it require permissions? If so, explain. What is the frequency and length of time involved for each subject?
 - d. **Risk Assessment:** What are the risks or potential discomforts (physical, psychological, time involved, social, legal, etc.) to participants? How will you minimize risks? List any benefits to society or participants.
 - e. **Protection of Privacy:** Will identifiable information (e.g., names, telephone numbers, birth dates, email addresses) be collected? Will data be confidential/anonymous? If anonymous, describe how the data will be collected. If not anonymous, what procedures are in place for safeguarding confidentiality? Where will data be stored? Who will have access to the data? What will you do with the data after the study?
 - f. **Informed Consent Process:** Describe how you will inform participants about the purpose of the study, what they will be asked to do, that their participation is voluntary and they have the right to stop at any time.
2. **Vertebrate animal research:**
 - a. Discuss potential ALTERNATIVES to vertebrate animal use and present justification for use of vertebrates.
 - b. Explain potential impact or contribution of this research.
 - c. Detail all procedures to be used, including methods used to minimize potential discomfort, distress, pain and injury to the animals and detailed chemical concentrations and drug dosages.
 - d. Detail animal numbers, species, strain, sex, age, source, etc., include justification of the numbers planned.
 - e. Describe housing and oversight of daily care.
 - f. Discuss disposition of the animals at the end of the study.
3. **Potentially hazardous biological agents research:**
 - a. Give source of the organism and describe BSL assessment process and BSL determination.
 - b. Detail safety precautions and discuss methods of disposal.
4. **Hazardous chemicals, activities & devices:**
 - a. Describe Risk Assessment process, supervision, safety precautions and specific methods of disposal.
 - b. Safety Data Sheets must be reviewed and should be referenced but do not need to be submitted with paperwork unless required by your fair.

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Form 1B

Approval Form (Signature Page)

The Parent

This person must give PERMISSION that the student is clear to conduct a research project! Parents can serve as Adult Sponsors, Designated Supervisors, or Qualified Scientists depending on their education, background, and level of involvement.

❖ Each Team Member needs to fill out a Form 1B!

Middle School - Approval Form (1B)
A SEPARATE approval form is required for ALL Student Researchers.

1. To be completed by Student Researcher and Parent/Guardian PRIOR to experimentation.

a. Student Acknowledgement:

I understand the risks and possible dangers to me associated with the proposed research proposal.

I have read the Rules and Guidelines for Middle School Science Research and will adhere to all rules while conducting this research.

I have read and will abide by the science fair ethics statement found on page 4.

Student researchers are expected to maintain the highest standards of honesty and integrity. Scientific fraud and misconduct are not condoned at any level of research or competition. Such practices include but are not limited to plagiarism, forgery, use or presentation of other researcher's work as one's own, and fabrication of data. Fraudulent projects will fail to qualify for competition in Colorado regional and/or state science fairs.

Student's Printed Name

Student's Signature

Date Acknowledged (mm/dd/yy)
(MUST be PRIOR to experimentation)

b. Parent/Guardian Approval:

I have read and understand the risks and possible dangers to my child associated with the proposed research proposal. I consent to my child participating in this research project.

Parent/Guardian's Printed Name

Parent/Guardian's Signature

Date Acknowledged (mm/dd/yy)
(MUST be PRIOR to experimentation)

2. To be completed by the school or local SRC/IRB.

Required for projects involving human subjects, vertebrate animals and/or potentially hazardous biological agents. **Check only ONE box:**

☐ The SRC/IRB has carefully examined this project's Research Proposal and all of the required forms are included. My signature indicates approval of the Research Proposal **before** the student begins experimentation.

☐ This project was conducted at a **regulated** research institution (**not home, school, etc.**), was reviewed and approved by the proper institutional review board before experimentation AND complies with the CSEF Rules and Guidelines for Pre-college Science Research. **Form 1C, Form 2 and institutional approval documentation (i.e. IACUC, IRB, etc.) are attached.**

SRC/IRB Chair's Printed Name

SRC/IRB Chair's Signature

Date of Approval (mm/dd/yy)

3. To be approved by the Regional Science Fair SRC BEFORE competition.

Required for all projects attending the Colorado Science and Engineering Fair.

I certify that this project adheres to the approved Research Proposal or Summary and complies with all Rules and Guidelines for Middle School Science Research.

Regional SRC Chair's Printed Name

Regional SRC Chair's Signature

Date of Approval (mm/dd/yy)

4. To be approved by the CO Science & Engineering Fair SRC BEFORE competition.

Required for all projects attending the Colorado Science and Engineering Fair.

I certify that this project adheres to the approved Research Proposal or Summary and complies with all Rules and Guidelines for Middle School Science Research.

CSEF SRC Chair's Printed Name

CSEF SRC Chair's Signature

Date of Approval (mm/dd/yy)

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Approval Form (1B)
This form is required for ALL projects (one form per student).
This form must be signed by the student researcher and parent BEFORE experimentation.
The SRC will sign as appropriate for pre-approval and/or approval just before competition.

1. To Be Completed by Student and Parent

a. Student Acknowledgement:

I understand the risks and possible dangers to me of the proposed research plan.

I have read the ISEF Rules and Guidelines and will adhere to all International Rules when conducting this research.

I have read and agree to uphold all aspects of the student researcher ethics statement.

Student researchers are expected to maintain the highest standards of honesty and integrity. Scientific fraud and misconduct are not condoned at any level of research or competition. Such practices include but are not limited to plagiarism, forgery, use or presentation of other researcher's work as one's own, and fabrication of data. Fraudulent projects will fail to qualify for competition in affiliated fairs and ISEF.

Student's Printed Name

Signature

Date Acknowledged (mm/dd/yy)
(Must be prior to experimentation.)

b. Parent/Guardian Approval:

I have read and understand the risks and possible dangers involved in the Research Plan/Project Addendum. I consent to my child participating in this research.

Parent/Guardian's Printed Name

Signature

Date Acknowledged (mm/dd/yy)
(Must be prior to experimentation.)

2. To be completed by the local or affiliated Fair SRC
(Required for projects requiring prior SRC/IRB approval. Sign 2a or 2b as appropriate.)

a. Required for projects that need prior SRC/IRB approval BEFORE experimentation (humans, vertebrates or potentially hazardous biological agents).

OR

b. Required for research conducted at all Regulated Research Institutions with no prior fair SRC/IRB approval.

The SRC/IRB has carefully studied this project's Research Plan/Project Addendum and all the required forms are included. My signature indicates approval of the Research Plan/Project Addendum before the student begins experimentation.

This project was conducted at a regulated research institution (not home or high school, etc.), was reviewed and approved by the proper institutional board before experimentation and complies with the ISEF Rules. **Attach (2C) and any required institutional approvals (e.g. IACUC, IRB).**

SRC Chair's Printed Name

Signature

Date of Approval (mm/dd/yy)
(Must be prior to experimentation.)

SRC Chair's Printed Name

Signature

Date of Signature (mm/dd/yy)
(May be after experimentation)

3. Final ISEF Affiliated Fair SRC Approval(Required for ALL Projects)

SRC Approval After Experimentation and Before Competition at Regional/State/National Fair

I certify that this project adheres to the approved Research Plan/Project Addendum and complies with all ISEF Rules.

Regional SRC Chair's Printed Name

Signature

Date of Approval (mm/dd/yy)

State/National SRC Chair's Printed Name
(where applicable)

Signature

Date of Approval (mm/dd/yy)

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Form 2A (NEW!)

Student Support Disclosure Form

Essentially this is a list of adults that play key roles in a student’s project...

This is a nice one-stop-shop for SRC folks to see the type of help the student had throughout the course of their project!

Student Support Disclosure Form (2A)

This form is required for ALL projects. This form may be completed before or after experimentation.

It is important to fully disclose any support provided in the completion of a scientific research project. This disclosure provides acknowledgment and verification of the project. Team members should complete one form for the project.

To be completed by the student researcher(s):

Please list the person serving in each role. (Described in the Roles & Responsibilities of Students and Adults section of the Rules.) If an individual serves in multiple roles, list fully once and by name only in other roles. Additional pages can be attached.

1. Adult Sponsor

Name	Organization/School	Email	Phone
Relationship to student:	Expertise:	Contribution to project:	Duration of support for this project:

2. Direct Supervisor

Name	Organization/School	Email	Phone
Relationship to student:	Expertise:	Contribution to project:	Duration of support for this project:

3. Qualified Scientist

Name	Organization/School	Email	Phone
Relationship to student:	Expertise:	Contribution to project:	Duration of support for this project:

4. Additional Supporting Adults (graduate students, relatives, external experts, etc.) Use additional pages as necessary.

Name	Organization/School	Email	Phone
Relationship to student:	Expertise:	Contribution to project:	Duration of support for this project:

Paid Support Disclosure:

1. Did you or your parents pay for any support for this project?

YesNo

If yes, explain: (Indicate any fees, tuition and/or payment to any of the individuals above and/or to a program that provided any support for this project including lab space, mentorship, documentation preparation, etc.)

AI Usage Disclosure

1. Did your project involve the use of Generative AI?

YesNo

If yes, please provide an attachment with Generative AI used in your project and in what elements of your project it was used.

b. Please provide the AI Prompt Log containing the prompts and responses from the Generative AI or AI Wrapper used. Be sure to remove any personal prompts which contain personal identifying information about yourself or others. If you do not have access to your prompt log, then please provide a summary of the prompts and responses involved in your project.

Attestation by Student Researcher(s):

I certify that I/we have presented the full truth regarding all of the support received in the completion of my/our research project and have not omitted pertinent information nor presented false information.

Finalist Signature:

Date:

Printed Name(s):

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Form 2B

Qualified Scientist Form

The Qualified Scientist

This person should have a Doctoral/professional degree in the subject area related to the student’s research, or have applicable expertise and approval from the local SRC.

Qualified Scientist Form (2B)

This form is required for projects requiring a Qualified Scientist or Direct Supervisor. This form must be completed by the Qualified Scientist BEFORE experimentation.

Student's Name(s)

Title of Project

To be completed by the Qualified Scientist:

Scientist Name:

Educational Background: Degree(s):

Experience/Training as relates to the student's area of research:

Position/Institution:

Email/Phone:

1. Please indicate what the student project will involve:

a. Human participants

b. Animals

c. Potentially hazardous biological agents (microorganisms, rDNA and tissues, including blood and blood products)

d. Hazardous substances and devices

Yes

No

Yes

No

Yes

No

Yes

No

3. Will this study be a sub-set of a larger study?

Yes

No

4. Will you directly supervise the student?

Yes

No

5. Please describe your anticipated role in this project and the duration of your support.

6. Will you provide any data; if yes, please provide source or describe

Yes

No

To be completed by the Qualified Scientist:

I certify that I have reviewed and approved the Research Plan/Project Addendum prior to the start of the experimentation. If the student or Direct Supervisor is not trained in the necessary procedures, I will ensure her/his training. I will provide advice and supervision during the research. I have a working knowledge of the techniques to be used by the student in the Research Plan/Project Addendum.

Qualified Scientist's Printed Name

Signature Date of Approval (mm/dd/yy)

To be completed by the Direct Supervisor when the Qualified Scientist cannot directly supervise.

I certify that I have reviewed the Research Plan/Project Addendum and have been trained in the techniques to be used by this student, and I will provide direct supervision.

Direct Supervisor's Printed Name

Experience/Training of Direct Supervisor

Signature Date of Approval (mm/dd/yy)

Phone email

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Regulated Research Institution Page

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Form 3

Risk Assessment

The completion of this form should be a COLLABORATION between the AS/DS/QS and the Student!

- Detail, Detail, Detail for EVERY line item!
- Address ALL significant Risks! If you're not sure if its significant, ask us.. 😊
- If the space provided isn't enough, attach a separate sheet
- Provide relevant sources for safety info... (MSDS [don't attach!], manufactures website, online safety websites, etc.)

Middle School - Risk Assessment Form (3)		
This form is required for ALL projects and MUST be completed PRIOR to experimentation.		
This form is to be completed by the Student Researcher/Team Leader in collaboration with the Adult Sponsor, Direct Supervisor and/or Qualified Scientist/Mentor. All questions MUST be answered and additional pages may be attached.		
Student's Name(s): _____		
Project Title: _____		
1. HAZARDS: List <u>ALL</u> dangerous activities, hazardous devices, chemicals (household AND laboratory) and/or microorganisms exempt from pre-approval that are to be used in this project.		
2. RISKS: Identify the risks involved in using <u>ALL</u> items listed in question #1. (What is the worst that could happen if something went wrong when working on your project?)		
3. SAFETY: Describe the safety precautions you are going to take in order to minimize/reduce the risks identified in question #2. (How are you going to keep yourself and others around you safe while you are working on your project?)		
4. DISPOSAL: Describe the disposal procedures you will use (when applicable) for items listed in question #1 (How are you going to SAFELY dispose of any hazardous items used in the project?)		
5. SOURCES: List the source(s) of your safety information (in works cited format). Material Safety Data Sheets MUST be referenced when using chemicals (household AND laboratory.), but not attached.		
Direct Supervisor: I agree with the risk assessment and safety precautions described above. I certify that I have thoroughly reviewed the Research Proposal and will provide <u>DIRECT supervision</u> of the Student Researcher(s) during experimentation.		
Supervising Adult's Printed Name	Supervising Adult's Signature	Date of Review (mm/dd/yy) (MUST be PRIOR to experimentation)
Relation to Student Researcher(s)	Email	
Experience/Training as it relates to the project (REQUIRED):		

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Risk Assessment Form (3)		
This form is recommended for ALL projects; may be required for projects involving hazards, potentially hazardous biological agents or human participants. This form must be completed BEFORE experimentation.		
Student's Name(s) _____		
Title of Project _____		
To be completed by the Student Researcher(s) in collaboration with Direct Supervisor/Qualified Scientist: (All questions must be answered; additional page(s) may be attached.)		
1. a) List all hazardous chemicals, activities or devices to be used		
b) List all microorganisms to be used		
2. Identify and assess the risks and hazards involved in this project.		
3. Describe the safety precautions and procedures that will be used to reduce the risks. If you conducted field work, include permits received and safety plans, as applicable.		
4. Describe the specific disposal procedures that will be used (when applicable).		
5. List the source(s) of safety information.		
To be completed and signed by the Direct Supervisor (or Qualified Scientist, when applicable): I agree with the risk assessment and safety precautions and procedures described above. I certify that I have reviewed the Research Plan/Project Addendum and the International Rules, including the science fair ethics statement and will provide direct supervision.		
Direct Supervisor's Printed Name	Signature	Date of Review (mm/dd/yy)
Experience/Training as relates to the student's area of research		
Position/Institution	Phone or email contact information	

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Form 3

Risk Assessment

The Direct Supervisor

This person should be engaged in DIRECT SUPERVISION of the student during experimentation, have enough expertise to ensure a safe environment.

Middle School - Risk Assessment Form (3)
This form is required for ALL projects and MUST be completed PRIOR to experimentation.

This form is to be completed by the Student Researcher/Team Leader in collaboration with the Adult Sponsor, Direct Supervisor and/or Qualified Scientist/Mentor. All questions MUST be answered and additional pages may be attached.

Student's Name(s): _____

Project Title: _____

1. **HAZARDS:** List ALL dangerous activities, hazardous devices, chemicals (household AND laboratory) and/or microorganisms exempt from pre-approval that are to be used in this project.

2. **RISKS:** Identify the risks involved in using ALL items listed in question #1. *(What is the worst that could happen if something went wrong when working on your project?)*

3. **SAFETY:** Describe the safety precautions you are going to take in order to minimize/reduce the risks identified in question #2. *(How are you going to keep yourself and others around you safe while you are working on your project?)*

4. **DISPOSAL:** Describe the disposal procedures you will use (when applicable) for items listed in question #1 *(How are you going to SAFELY dispose of any hazardous items used in the project?)*

5. **SOURCES:** List the source(s) of your safety information (in works cited format). Material Safety Data Sheets MUST be referenced when using chemicals (household AND laboratory.), but not attached.

Direct Supervisor:
I agree with the risk assessment and safety precautions described above. I certify that I have thoroughly reviewed the Research Proposal and will provide DIRECT supervision of the Student Researcher(s) during experimentation.

Supervising Adult's Printed Name

Supervising Adult's Signature

Date of Review (mm/dd/yy)
(MUST be PRIOR to experimentation)

Relation to Student Researcher(s)

Email

Experience/Training as it relates to the project (REQUIRED):

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Risk Assessment Form (3)
This form is recommended for ALL projects; may be required for projects involving hazards, potentially hazardous biological agents or human participants. This form must be completed BEFORE experimentation.

Student's Name(s) _____

Title of Project _____

To be completed by the Student Researcher(s) in collaboration with Direct Supervisor/Qualified Scientist: (All questions must be answered; additional page(s) may be attached.)

1. a) List all hazardous chemicals, activities or devices to be used

b) List all microorganisms to be used

2. Identify and assess the risks and hazards involved in this project.

3. Describe the safety precautions and procedures that will be used to reduce the risks. If you conducted field work, include permits received and safety plans, as applicable.

4. Describe the specific disposal procedures that will be used (when applicable).

5. List the source(s) of safety information.

To be completed and signed by the Direct Supervisor (or Qualified Scientist, when applicable):
I agree with the risk assessment and safety precautions and procedures described above. I certify that I have reviewed the Research Plan/Project Addendum and the International Rules, including the science fair ethics statement and will provide direct supervision.

Direct Supervisor's Printed Name

Signature

Date of Review (mm/dd/yy)

Experience/Training as relates to the student's area of research

Position/Institution

Phone or email contact information

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Form 3

Risk Assessment Attachment

Frequently the limited room on the Risk Assessment is NOT enough...

Please use an attachment!!

To be completed by the Student Researcher(s) in collaboration with Designated Supervisor/Qualified Scientist: (All questions must be answered; additional page(s) may be attached.)

1. Identify and assess the risks and hazards involved in this project.

See Risk Assessment Attachment, Line 1.

2. a) List all hazardous chemicals, activities or devices to be used; b) identify and list all microorganisms to be used that are exempt from pre-approval (see Potentially Hazardous Biological Agent rules).

See Risk Assessment Attachment, Line 2.

3. Describe the safety precautions and procedures that will be used to reduce the risks.

See Risk Assessment Attachment, Line 3.

4. Describe the disposal procedures that will be used (when applicable).

See Risk Assessment Attachment, Line 4.

5. List the source(s) of safety information.

See Risk Assessment Attachment, Line 5.

Risk Assessment Form (3) Attachment

Student's Name:

Title of Project:

1. Identify and assess the risks and hazards involved in this project.

•

2. a) List all hazardous chemicals, activities, or devices to be used; b) identify and list all microorganisms to be used that are exempt from pre-approval (see Potentially Hazardous Biological Agent rules).

Chemicals

•

Activities/Devices

•

3. Describe the safety precautions and procedures that will be used to reduce the risks.

•

4. Describe the disposal procedures that will be used (when applicable).

•

5. List the source(s) of safety information.

Human Participants

- ✓ All Human Subject projects must have their protocols approved PRIOR TO EXPERIMENTATION by an IRB/SRC

Middle School - Human Participants Form (4)	
This form is required for ALL projects involving human subjects and MUST be completed and approved by the IRB PRIOR to experimentation.	
To be completed by the Student Researcher/Team Leader in collaboration with the Adult Sponsor.	
Student's Name(s): _____	
Project Title: _____	
Adult Sponsor: _____	Email: _____
1. ☐ Attached to this form is the Research Proposal, which addresses ALL areas under the Human Subjects section of the Research Proposal Instructions (page 10).	
2. This project ☒ will ☐ will not include giving my human participants any surveys, questionnaires, tests, photos, videos, or other items to view or complete. If yes, a copy of ALL such materials MUST be submitted to the IRB for review.	
3. This project ☒ will ☐ will not include any published instrument(s) If yes, documentation of my permission to use such material is attached.	
4. ☐ Attached is a copy of an Informed Consent Form that I/we will use, if required by the IRB.	
5. I/we ☒ will ☐ will not be working with a Qualified Scientist/Mentor. If yes, a copy of the Qualified Scientist/Mentor Form 2 is attached.	
To be completed by the Institutional Review Board (IRB) after review of the research proposal. All questions must be answered for the approval to be valid. (DO NOT sign if not approved; return paperwork to the student with instructions for modifications.)	
☐ Approved with Full Committee Review (3 signatures required) and the following conditions (ALL 5 must be answered to be valid):	
1. Risk Level (check one):	☐ Minimal Risk ☐ More than Minimal Risk
2. Qualified Scientist/Mentor Required:	☐ Yes ☐ No
3. Written Minor Assent/Parental Consent Required (if any participants are under the age of 18):	
☐ es ☐ Not Applicable (no minors used in this study)	
5. Written Informed Consent Required (for participants 18 years and older):	
☐ Yes ☐ No ☐ Not Applicable (no participants over 18 used in this study)	
I attest that I have reviewed the Student Researcher's project, that ALL of the above have been properly marked indicating the IRB determination and that I agree with the decisions. None of the individuals signing below may be the adult sponsor, designated supervisor, qualified scientist/mentor or a relative (mother, father, etc.) of the Student Researcher(s) (conflict of interest).	
Medical (medical doctor, physician's assistant, doctor of pharmacy, registered nurse) or Mental Health Professional (psychologist, licensed social worker, licensed clinical professional counselor) with expertise related to this project.	
Printed Name: _____	Degree/Professional License: _____
Signature: _____	Email: _____
Signature: _____	Date of Approval (must be PRIOR to experimentation): _____
Educator:	
Printed Name: _____	Degree/Professional License: _____
Signature: _____	Email: _____
Signature: _____	Date of Approval (must be PRIOR to experimentation): _____
School Administrator: (school principal or assistant principal)	
Printed Name: _____	Degree/Professional License: _____
Signature: _____	Email: _____
Signature: _____	Date of Approval (must be PRIOR to experimentation): _____

Human Participants Form (4)		
This form is required for all research involving human participants. This form must be completed by the IRB BEFORE recruitment or data collection. (If research is done at an RRI, equivalent RRI IRB documentation is required.)		
Student's Name(s)	Title of Project	
Adult Sponsor	Phone/Email	
MUST BE COMPLETED BY STUDENT RESEARCHER(S) IN COLLABORATION WITH THE ADULT SPONSOR/DIRECT SUPERVISOR/QUALIFIED SCIENTIST:		
1. ☐ I have submitted my Research Plan/Project Addendum which addresses ALL areas indicated in the Human Participants Section of the Research Plan/Project Addendum Instructions.		
2. ☐ I have attached any surveys or questionnaires I will be using in my project or other documents provided to human participants.		
3. ☐ Any published instrument(s) used was/were legally obtained.		
4. ☐ I have attached an informed consent that I would use if required by the IRB.		
5. ☐ Yes ☐ No Are you working with a Qualified Scientist? If yes, attach the Qualified Scientist Form 2.		
BELOW – IRB USE ONLY		
MUST be completed by Institutional Review Board (IRB) after review of the research plan. All questions must be answered for the approval to be valid. (If not approved, return paperwork to the student with instructions for modifications.)		
☐ Approved with Full Committee Review (3 signatures required) and the following conditions: (All 6 must be answered)		
1. Risk Level (check one):	☐ Minimal Risk	☐ More than Minimal Risk (a risk assessment form 3 is required).
2. Qualified Scientist (QS) Required (Form 2):	☐ Yes	☐ No
3. Risk Assessment Required (Form 3):	☐ Yes	☐ No
4. Written Minor Assent and written parental permission required for minor participants:		
☐ Yes ☐ Not applicable (No minors in this study)		
5. Written Informed Consent required for participants 18 years or older:		
☐ Yes ☐ No ☐ Not applicable (No participants 18 yrs or older in this study)		
6. Faculty or "protected groups" used, written approval has been obtained:		
☐ Yes ☐ No		
IRB SIGNATURES (All 3 signatures required) None of these individuals may be the adult sponsor, direct supervisor, qualified scientist or related to (e.g., mother, father of) the student (conflict of interest).		
I attest that I have reviewed the student's project, that the checkboxes above have been completed to indicate the IRB determination and that I agree with the decisions above.		
Medical or Mental Health Professional (a psychologist, medical doctor, licensed social worker, licensed clinical professional counselor, physician's assistant, doctor of pharmacy, or registered nurse) with expertise related to this project.		
Print Name below	Degree/Professional License	
Signature	Date (prior to experimentation)	Email
Educator		
Print Name below	Degree/Professional License	
Signature	Date (prior to experimentation)	Email
School Administrator		
Print Name below	Degree/Professional License	
Signature	Date (prior to experimentation)	Email

Form 4

Informed Consent

- Human subjects **MUST** give Informed Consent to participate in research...
- Minors cannot give Informed Consent...their parents must sign in their stead...
- A copy of any Survey tools used by the student must accompany the protocol forms
- Copyrighted Survey tools need to be accompanied with *written permission from the publisher*

Middle School – Photography Consent Form/Release for Adults

Student Researchers may use this sample form or create their own with similar information included.

I, _____ hereby grant permission to _____ to take and use photographs, video recordings and/or digital images of me to use in their science fair project presentations (both physical and virtual) at the local, regional, state and national level competitions. I further agree that my name and identity may be revealed in descriptive text or commentary in connection with the use of such image(s). I authorize the use of these images indefinitely without compensation to me.

Signed: _____ Dated: _____

Middle School - Human Participants Informed Consent Form

Instructions to the Student Researcher/Team Leader:

- An informed consent/assent/permission form should be developed in consultation with the Adult Sponsor.
- This form is used to provide information to the research participant (or parent/guardian) about the study.
- This form documents written informed consent, minor assent, and/or parental permission when required.
- All signed informed consent forms are to be kept by the Student Researcher/Team Leader or Adult Sponsor in a safe, non-public place and NEVER sent to the regional, state or international competition SRCs.
- Student Researchers may use this sample form or copy ALL elements of it into a new document. Documents not incorporating ALL of the elements below will make the Informed Consent Form invalid.
- A separate photo release form should be used if photographs of people other than the Student Researcher(s) are to be used in the display (see page 25).

Student's Name(s): _____

Project Title: _____

I am asking for your VOLUNTARY participation in my science fair project. Please read the following information about the project. If you would like to participate, please sign in the appropriate box below.

The purpose of the project is to: _____

If you participate, you will be asked to: _____

The time required for participation is: _____

The potential risks of participating in the study include, but may not be limited to: _____

The benefits to you personally include, but may not be limited to: _____

Confidentiality will be maintained by: _____

If you have any questions about this study, feel free to contact:

Adult Sponsor: _____ Email: _____

Participation Disclaimer: Participation in this study is completely voluntary. If you decide not to participate, there will not be any negative consequences. Please be aware that if you do decide to participate, you may stop participating AT ANY TIME and you may decide not to answer any specific question.

By signing this form, I am attesting that I have read and understood the information above and I freely give my consent/assent to participate or permission for my child to participate.

Adult Informed Consent/Minor Assent:

Participant's Printed Name _____ Signature _____ Date Reviewed (mm/dd/yy) _____

Parental/Guardian Permission (if applicable):

Parent/Guardian's Printed Name _____ Signature _____ Date Reviewed (mm/dd/yy) _____
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Human Informed Consent Form

This form is a suggested template for written informed consent.
All projects involving minors require written parental permission.

Instructions to the Student Researcher(s): An informed consent/assent/permission form should be developed in consultation with the Adult Sponsor, Direct Supervisor or Qualified Scientist. This form is used to provide information to the research participant (or parent/guardian) and to document written informed consent, minor assent, and/or parental permission.

- When written documentation is required, the researcher keeps the original, signed form.
- Students may use this sample form or may copy ALL elements of it into a new document.

If the form is serving to document parental permission, a copy of any survey or questionnaire must be attached.

Student Researcher(s): _____

Title of Project: _____

I am asking for your voluntary participation in my science fair project. Please read the following information about the project. If you would like to participate, please sign in the appropriate area below.

Purpose of the project: _____

If you participate, you will be asked to: _____

Time required for participation: _____

Potential Risks (if any): _____

Potential Benefits (if any): _____

How confidentiality will be maintained: _____

If you have any questions about this study, feel free to contact:

Adult Sponsor/QS/DS: _____ Phone/email: _____

Voluntary Participation:

Participation in this study is completely voluntary. If you decide not to participate there will not be negative consequences. Please be aware that if you decide to participate, you may stop participating at any time and you may decide not to answer any specific question.

By signing this form I am attesting that I have read and understand the information above and I freely give my consent/assent to participate or permission for my child to participate.

Adult Informed Consent or Minor Assent Date Reviewed & Signed: _____

_____ (mm/dd/yy)

Research Participant Printed Name: _____ Signature: _____

Parental/Guardian Permission (if applicable) Date Reviewed & Signed: _____

_____ (mm/dd/yy)

Parent/Guardian Printed Name: _____ Signature: _____

Form 5A

Vertebrate Animal Form

- In most cases, Vertebrate Animal projects must have the approval and signatures of a DVM
- Studies that don't interfere or manipulate the behavior, diet, or environment of an animal (i.e., Observational) may not need Form 5A

Middle School - Vertebrate Animal Form (5A)

This form is only required for projects involving vertebrate animals being conducted in a school, home or field research setting and MUST be completed and approved by the SRC PRIOR to experimentation.

To be completed by the Student Researcher/Team Leader in collaboration with the Adult Sponsor, Designated Supervisor and/or Qualified Scientist/Mentor. All questions MUST be answered and additional pages may be attached.

Student's Name(s): _____

Project Title: _____

1. Common name (or Genus, species) and number of each animal used. _____

2. Describe in detail the housing and husbandry to be provided for each type of animal. Include the cage/pen size, number of animals per cage, environment, bedding, type of food, frequency of food and water, how often animal is observed, etc. _____

3. What will happen to the animals after experimentation? _____

4. If applicable, attach a copy of wildlife licenses or approval forms. _____

The CSEF Vertebrate Animal Rules require that ANY death, illness or unexpected weight loss be investigated, explained, and documented by a letter from the qualified scientist, designated supervisor or veterinarian. Attach this letter to this form when submitting paperwork to the SRC prior to competition. *If the death, illness or unexpected weight loss is found to be due to the experiment, then it must be terminated IMMEDIATELY.*

To be completed by the local or school Scientific Review Committee PRIOR to experimentation.
The SRC has carefully reviewed this study and finds it is an appropriate study and may be conducted in a non-regulated research site. The Student Researcher MUST have at least the following level of supervision (mark highest level required):

☐ Designated Supervisor REQUIRED. Please have applicable person sign in the appropriate box below.

☐ Veterinarian and Designated Supervisor REQUIRED. Please have the applicable people sign in the appropriate boxes below.

☐ Veterinarian, Designated Supervisor and Qualified Scientist/Mentor REQUIRED. Please have the applicable people sign in the appropriate boxes below and complete a Qualified Scientist/Mentor Form 2.

SRC Chair's Printed Name _____ SRC Chair's Signature _____ Date of Approval (mm/dd/yy)

Veterinarian:

☐ I have reviewed this research proposal and animal husbandry with the student(s) PRIOR to the start of experimentation.

☐ I have approved the use and dosages of prescription drugs and/or nutritional supplements (if applicable).

☐ I will provide veterinary medical and nursing care in case of illness or emergency (fees may apply).

Veterinarian's Printed Name _____ Email or Phone

Veterinarian's Signature _____ Date of Approval

Designated Supervisor:

☐ I have reviewed this research and animal husbandry with the student(s) PRIOR to experimentation and I accept primary responsibility for the care and handling of the animals in this project.

☐ I will provide DIRECT supervision during experimentation.

Designated Supervisor's Printed Name _____ Email or Phone

Designated Supervisor's Signature _____ Date of Approval

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Vertebrate Animal Form (5A)

This form is required for all research involving vertebrate animals that is conducted in a school/home/field research site. SRC approval is required BEFORE experimentation.

Student's Name(s) _____

Title of Project _____

To be completed by Student Researcher:

1. Common name (or Genus, species) and number of animals used. _____

2. Describe completely the housing and husbandry to be provided. Include the cage/pen size, number of animals per cage, environment, bedding, type of food, frequency of food and water, how often animal is observed, etc. Add an additional page as necessary. _____

3. What will happen to the animals after experimentation? _____

4. Attach a copy of wildlife licenses or approval forms, as applicable. _____

5. The ISEF Vertebrate Animal Rules require that any death, illness or unexpected weight loss be investigated and documented by a letter from the qualified scientist, direct supervisor or a veterinarian. If applicable, attach this letter with this form when submitting your paperwork to the SRC prior to competition. _____

To be completed by Local or Affiliate Fair Scientific Review Committee (SRC) BEFORE experimentation.
Level of Supervision Required for agricultural, behavioral or nutritional studies (select one):

☐ Direct Supervisor REQUIRED. Please have applicable person sign below.

☐ Veterinarian and Direct Supervisor REQUIRED. Please have applicable persons sign below.

☐ Veterinarian, Direct Supervisor and Qualified Scientist REQUIRED. Please have applicable persons sign below and have the Qualified Scientist complete Form (2).

The SRC has carefully reviewed this study and finds it is an appropriate study that may be conducted in a non-regulated research site.

Local or affiliate fair SRC pre-approval signature:

SRC Chair Printed Name _____ Signature _____ Date of Approval (must be prior to experimentation) (mm/dd/yy)

To be completed by Veterinarian:

☐ I have reviewed this research and animal husbandry with the student before the start of experimentation.

☐ I have approved the use and dosages of prescription drugs and/or nutritional supplements.

☐ I will provide veterinary medical and nursing care in case of illness or emergency. (Fees may apply.)

Printed Name _____ Email/Phone

Signature _____ Date of Approval (mm/dd/yy)

To be completed by Direct Supervisor or Qualified Scientist when applicable:

☐ I have reviewed this research and animal husbandry with the student before the start of experimentation and I accept primary responsibility for the care and handling of the animals in this project.

☐ I will directly supervise the experiment.

Printed Name _____ Email/Phone

Signature _____ Date of Approval (mm/dd/yy)

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Form 5B

Vertebrate Animal Form

(at a Regulated Institution)

Middle School - Vertebrate Animal Form (5B)

This form is only required for projects involving vertebrate animals being conducted at a Regulated Research Institution and may be completed after experimentation. IACUC approval is required PRIOR to experimentation.

To be completed by the Qualified Scientist or Principal Investigator. The Student Researcher/Team Leader is NOT to complete any part of this form! All questions MUST be answered and additional pages may be attached.

Student's Name(s):

Project Title:

1. Title and Protocol Number of IACUC Approved Project:

2. Species and number of each animal used.

3. Describe, in detail, the role of the student in this project: animal procedures and related equipment that were involved, oversight provided and safety precautions employed.

4. Was there any weight loss or death of any animal? If yes, attach a letter obtained from the Student Researcher's qualified scientist, designated supervisor or veterinarian documenting the situation and the results of the investigation.

5. The Student Researcher's project ☒ did / ☐ did not involve the use of tissues? If yes, Forms 6A and 6B must be completed.

6. What laboratory training (include specific dates) was provided to the student?

A copy of the Regulated Research Institution IACUC Approval MUST be attached to this form. A letter from the Qualified Scientist or Principal Investigator will NOT satisfy this requirement.

Qualified Scientist/Mentor or Principal Investigator:

Printed Name

Signature

Date (mm/dd/yy)

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Vertebrate Animal Form (5B)

This form is required for all research involving vertebrate animals that is conducted at a RRI. (IACUC approval required BEFORE experimentation. This form must be completed and signed AFTER experimentation.)

Student's Name(s)

Title of Project

Title and Protocol Number of IACUC Approved Project

To be completed by Qualified Scientist or Principal Investigator:

1. Species of animals used: Number of animals used:

2. Describe, in detail, the role of the student in this project: animal procedures and related equipment that were involved, oversight provided and safety precautions employed. (Attach extra pages if necessary.)

3. Was there any weight loss or death of any animal? If yes, attach a letter obtained from the qualified scientist, direct supervisor or a veterinarian documenting the situation and the results of the investigation.

4. Did the student's project also involve the use of tissues?
☐ No
☐ Yes; complete Forms 6A and 6B

5. What laboratory training, including dates, was provided to the student?

6. Attach a copy of the Regulated Research Institution IACUC Approval. A letter from the Qualified Scientist or Principal Investigator is not sufficient.

Qualified Scientist/Principal Investigator

Printed Name

Signature

Date (mm/dd/yy)

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Form 6A

Hazardous Biological Agents

- BSL1 – Microorganisms can be cultured in a Middle School/High School facility, and must be permanently sealed at the time of inoculation
- BSL2 – These are hospital level facilities, where cultured plates can be resampled with proper safety equipment and supervision...

Middle School - Potentially Hazardous Biological Agents Form (6A)
This form is required for ALL projects involving microorganisms, rDNA, fresh/frozen tissue, blood, blood products and body fluids. SRC/IACUC/IBC approval is required PRIOR to experimentation.

This form is to be completed by the Qualified Scientist/Mentor in collaboration with the Student Researcher/Team Leader. All questions MUST be answered and additional pages may be attached.

Student's Name(s): _____

Project Title: _____

1. Identify ALL of the potentially hazardous biological agents to be used in this experiment. Include where you obtained them, how much you are using and the biosafety level of each one.

2. Where will you be conducting the experimentation? Include the level of biosafety containment available at each site.

3. How will you minimize any risk associated in working with these agents? (What personal protective equipment will you be wearing, what type of hood is being used, will you be sealing the Petri dishes and not opening them, etc.?)

4. The final biosafety level I recommend for this project is: ☒ BSL-1 or ☐ BSL-2

5. How are you going to dispose of all cultured materials and other potentially hazardous biological agents?

6. What training will the Student Researcher(s) receive?

7. What experience/training does the Designated Supervisor (for BSL-1 studies only) have as it relates to the student's area of research?

Qualified Scientist/Mentor: (check only 1 certification statement below)

☐ I certify that the experimentation was not conducted at a Regulated Research Institution but was conducted at a (check one) ☒ BSL-1 or ☐ BSL-2 laboratory. The study has been reviewed by the local or school SRC and the procedures have been approved PRIOR to experimentation. **OR**

☐ I certify that the experimentation was conducted at a Regulated Research Institution and was approved by the appropriate institutional board PRIOR to experimentation. Institutional approval forms are attached. Date of IACUC/IBC Approval: _____ **OR**

☐ I certify that the experimentation was conducted at a Regulated Research Institution that does not require pre-approval for this type of study. The local or school SRC has reviewed that the student received appropriate training and the project complies with the CSEF Middle School rules.

Qualified Scientist's Printed Name _____
Qualified Scientist's Signature _____
Date of Acknowledgement (mm/dd/yy)

To be completed by the local or school Scientific Review Committee.
The SRC has seen this project's research proposal and supporting documentation and acknowledges the accuracy of the information provided above.

SRC Chair's Printed Name _____
SRC Chair's Signature _____
Date of Approval (mm/dd/yy)

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Potentially Hazardous Biological Agents Risk Assessment Form (6A)
This form is required for all research involving microorganisms, rDNA, fresh/frozen tissue, blood, blood products and body fluids. SRC/IACUC/IBC approval is required BEFORE experimentation.

Student's Name(s) _____

Title of Project _____

To be completed by the QUALIFIED SCIENTIST/DIRECT SUPERVISOR in collaboration with the student researcher(s). All questions are applicable and must be answered; additional page(s) may be attached.

SECTION 1: PROJECT ASSESSMENT

1. Identify potentially hazardous biological agents (PHBA) to be used in this experiment. Include the strain, source, quantity and the biosafety level risk group of each microorganism or tissue.

2. Please indicate the BSL level of the experimentation site:
☐ None ☐ BSL-1 ☐ BSL-2
If BSL-2 laboratory, not at an RRI, include the [BSL-2 checklist](#)

3. Describe the precautions that will be used to minimize risk.

4. Describe the method of disposal of all cultured materials and other potentially hazardous biological agents.

SECTION 2: TRAINING

1. What training will the student receive for this project?

2. Experience/training of Direct Supervisor as it relates to the student's area of research (if applicable).

SECTION 3: For ALL CELL LINES, MICROORGANISMS AND TISSUES - To be completed by the QUALIFIED SCIENTIST or Direct Supervisor - Check the appropriate box(es) below:

☐ Experimentation on the microorganisms/cell lines/tissues to be used in this study will NOT be conducted at a Regulated Research Institution, but will be conducted at a (check one) ☐ BSL-1 or ☐ BSL-2 laboratory (include a copy of the [checklist for BSL-2](#). [This study has been reviewed by the local SRC and the procedures have been approved prior to experimentation.]

☐ This project involves the culturing of Multi Drug Resistant Organisms (MDROs). It has been conducted in a BSL-2 or higher lab at a Regulated Research Institution and the required IBC pre-approval is attached.
Date of IBC approval: _____

☐ Experimentation on the microorganisms/cell lines/tissues to be used in this study will be conducted at a Regulated Research Institution and was approved by the appropriate institutional board prior to experimentation; institutional approval forms are attached.
Origin of cell lines: _____ Date of IBC/IBC/IACUC approval: _____

☐ Experimentation on the microorganisms/cell lines/tissues to be used will be conducted at a Regulated Research Institution, which does not require IACUC or IBC approval for this type of study.

CERTIFICATION - To be SIGNED by the QUALIFIED SCIENTIST or Direct Supervisor
The QS/DS has seen this project's research plan and supporting documentation and acknowledges the accuracy of the information provided above. This study has been approved as a (check one) ☐ BSL-1/ ☐ BSL-2 study, and will be conducted in an appropriate laboratory.

QS/DS Printed Name _____
Signature _____
Date of review (mm/dd/yy)

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Form 6B

Human and Vertebrate Animal Tissue

Middle School - Human and Vertebrate Animal Tissue Form (6B)

This form is required for ALL projects involving fresh/frozen tissue, blood, blood products and body fluids. Form 6A MUST also be completed. If the research also involves living organisms (human or vertebrate animals), please ensure that the proper forms are completed.

This form is to be completed by the Student Researcher/Team Leader in collaboration with the Qualified Scientist/Mentor. All questions MUST be answered and additional pages may be attached.

Student's Name(s): _____

Project Title: _____

1. What type of tissue will be used in this study? Check ALL that apply.

☐ Fresh or Frozen Tissue Sample

☐ Fresh Organ or Other Body Part(s)

☐ Blood

☐ Body Fluids

☐ Primary Cell/Tissue Cultures

☐ Human or Other Primate Established Cell Lines

2. From where will you obtain the above tissue(s)? Established cell lines must be identified by the source and catalog number.

If the tissue will be obtained from a vertebrate animal study conducted at a research institution, attach a copy of the IACUC certification with the name of the research institution, the title of the study, the IACUC approval number and the date of IACUC approval included.

Qualified Scientist/Mentor:

☐ I verify that the student will work solely with organs, tissues, cultures or cells that will be supplied to him/her/them by myself or qualified personnel from the laboratory; and that if vertebrate animals were euthanized, they were euthanized for a purpose other than the Student Researcher's project.

AND/OR

☐ I certify that the blood, blood products, tissues, or body fluids in this project will be handled in accordance with the standards and guidance set forth in Occupational Safety and Health Act, 29CFR, Subpart Z, 1910.1030 – Blood Borne Pathogens.

Printed Name

Signature

Date of Review (mm/dd/yy)
(MUST be PRIOR to experimentation)

Title

Email

Institution

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Human and Vertebrate Animal Tissue Form (6B)

This form is required for research involving fresh/frozen tissue (including human and/or vertebrate animal established cell lines and tissue culture collections), blood, blood products and body fluids. All projects using any tissue listed above must also complete Form 6A. This form must be completed by the QS/DS BEFORE experimentation.

Student's Name(s) _____

Title of Project _____

To be completed by Student Researcher(s):

1. What vertebrate animal tissue will be used in this study? Check all that apply.

☐ Fresh or frozen tissue sample

☐ Fresh organ or other body part

☐ Blood

☐ Body fluids

☐ Primary cell/tissue cultures

☐ Human or other primate established cell lines

☐ Vertebrate established cell lines

☐ Exempt tissue (describe): _____

2. Where will the above tissue(s) be obtained? If using an established cell line include source and catalog number.

3. If the tissue will be obtained from a vertebrate animal study conducted at a research institution attach a copy of the IACUC certification with the name of the research institution, the title of the study, the IACUC approval number and date. If human tissues were used, attach a copy of IRB approval.

To be completed by the Qualified Scientist or Direct Supervisor:

☐ I verify that the student will work solely with de-identified organs, tissues, cultures or cells that will be supplied to him/her by myself or qualified personnel from the laboratory; and that if vertebrate animals were euthanized they were euthanized for a purpose other than the student's research.

AND/OR

☐ I certify that the blood, blood products, tissues or body fluids in this project will be handled in accordance with the standards and guidance set forth in U.S. Occupational Safety and Health Act, 29CFR, Subpart Z, 1910.1030 - Blood Borne Pathogens.

Printed Name

Signature

Date of Approval (mm/dd/yy)
(Must be prior to experimentation.)

Title

Phone/Email

Institution

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Form 7

Continuation Form

Make sure to ID the year, title, and student name on ALL attachments!

Current year's Display can ONLY contain data from current year's work (previous year's work can be inside binders on the display table)

Middle School - Continuation/Progression of Projects Form (7)

This form is required for ALL projects that are a continuation/progression in the same field of study as a previous project done by the Student Researcher(s) and MUST be completed AFTER experimentation.

This form is to be completed by the Student Researcher/Team Leader and accompanied by previous year(s)* abstract and Research Proposal. List all components of the current project that make it new and different from previous research. ALL questions MUST be answered and be on this form. Use additional Form 7's for multiple years.

Student's Name(s): _____

	Current Research Project (2025-2026)	Previous Research Project Year: _____
1. Title		
2. Change in Goal/Purpose/Objective		
3. Changes in Methodology		
4. Variables Studied		
5. Additional Changes		

Student Researcher or Team Leader:

☐ I have attached the relevant previous year's abstract and Research Proposal or Summary to this form.
AND

☐ I hereby certify that the above information is correct and that the current year's abstract and project display board properly reflect work done ONLY in this current year (2025/2026).

Student Researcher/Team Leader's
Printed Name

Student Researcher/Team Leader's
Signature

Date of Signature
(mm/dd/yy)

2025/2026

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Continuation/Research Progression Projects Form (7)

This form is required for projects that are a continuation/progression in the same field of study as a previous project. This form must be accompanied by the previous year's abstract and Research Plan/Project Addendum. This form may be completed AFTER experimentation.

Student's Name(s) _____

To be completed by Student Researcher: List all components of the current project that make it new and different from previous research. The current years project should be compared to the immediate previous year (ie. Year 1 to Year 2, Year 2 to Year 3, etc.).

Components	Current Research Project	Previous Research Project: Year: _____
1. Title		
2. Change in goal/ purpose/objective		
3. Changes in methodology		
4. Variable studied		
5. Additional changes		

Attached are:

☐ Previous year's Abstract and Research Plan/Project Addendum, Year _____

☐ Previous Form 7s, if applicable.

I hereby certify that the above information is correct and that the current year Abstract & Certification and project display board properly reflect work done only in the current year.

Student's Printed Name(s)

Signature

Date of Signature (mm/dd/yy)

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THANK YOU SO MUCH FOR ATTENDING!
The work you do MAKES A DIFFERENCE! 😊

Questions?...Contact Us!

Loree' Harvey

SLVRSFDDirector@gmail.com

loreeh@monte.k12.co.us

719-580-3316

