

# Rules for Indiana Elementary and Middle School Science Research 2019-2020



A Publication of

Science Education Foundation of Indiana, Inc.  
864 E. Cambridge Dr.  
Terre Haute, IN 47802

[www.sefi.org](http://www.sefi.org)

## Acknowledgments

Much of this document is taken liberally from the Intel International Science and Engineering Fair document “International Rules for Precollege Science Research: Guidelines for Science and Engineering Fairs 2019-2020.” Available online at <https://student.societyforscience.org/rules-all-projects>

The Purpose of this document is to develop a common set of rules and guidelines for projects in grades K-8 conducted at schools and homes across the state of Indiana for competition in a Regional Science Fair. All Regional Science Fairs are required to follow the Intel ISEF rules for students in grades 9-12. However, these rules and their associated forms have proven to be a hindrance to many students in the lower grades.

The rules and guidelines in this document are intended to secure the safety of students, parents and teachers while conducting a science fair project. It is our hope that each teacher will adopt these guidelines for projects at their school and district level science fairs. Regional Fairs are not required to use or accept this version of rules and guidelines. For region specific rules and guidelines, please contact your regional fair director. A comprehensive list may be found at [www.sefi.org](http://www.sefi.org)

**The Science Education Foundation of Indiana Hosts an online system free of charge to help teachers to manage their students conducting projects and to facilitate the student’s entry into a regional science fair. Any student who intends to compete in a regional fair and be selected to participate in the state fair (HSEF) must have an active account with all project information included on the system. The teacher must agree to manage the account and help the student to meet all formal requirements for participation.**

[www.sefireg.org](http://www.sefireg.org)

Teachers must create an account and have their accounts authorized by the regional fair director. They will then be able to log in and create accounts for the students to begin the process of their scientific investigations.

For questions about the system, contact our Executive Director at [gcook@sefi.org](mailto:gcook@sefi.org)

## **All Projects**

Scientific Fraud and misconduct are not accepted at any level of science research. The work you submit for science fair must be your own work. Taking some other students project and submitting it as your work will lead to disqualification from competition.

## **Approval and Documentation**

1. Before you begin, you must submit to your teacher a project proposal ( ) and receive approval for the project you wish to do.
2. Certain projects are prohibited for students in grades K-8. If you desire an exception to this rule you will have to work with the Regional Fair Director in your Region to get permission to proceed. [www.sefi.org/registration.html](http://www.sefi.org/registration.html)
3. Display guidelines for Intel ISEF must be followed by all participants.
4. Every student should have the following items as part of their science fair project display.
  - **Logbook:** The logbook contains a dated account of everything that concerns the project. Every student is required to keep detailed notes, original observations and data from the experiment in the logbook.
  - **Research Paper: (usually for grades 6-8)** This part of the project is typically 4-10 pages long. It should be typed or written in ink. It is based upon the information that was kept in the logbook and it also includes the review of literature (background science) that was conducted before the experiment began.
  - **Exhibit Board:** The purpose of the display is to show what the student has done. It includes elements from the research paper. The exhibit should be visually appealing. Photographs that are dated and labeled are useful to relay the progress of the experiment, and/or the outcome of the experiment.
  - **Abstract:** a one-page summary (not more than 250 words) that states the purpose, hypothesis, procedures and conclusion of the project. (see addendum for help).
5. Team Projects may be allowed. No team may have more than three (3) members. Each Team members' name must be entered into the registration system separately and linked by a teacher to be in a group. Only the team leader needs to submit the abstract.
6. Teachers and Parents are responsible for ensuring that these rules are followed and the student project is safely designed and supervised at all times.

## PROHIBITED / RESTRICTED RESEARCH

The research topics below are either not permitted or have conditions for students in grades K-8. This is not a comprehensive list. Teachers who have concerns about projects should contact the Regional Fair Director for guidance.

### PERMITTED RESEARCH WITH CONDITIONS

**Bacterial Studies** (GRADES 6-8) Conducted in a school setting using one of the approved bacterial cultures only as long as the teacher is trained and certified for BSL-1 work. [The school must be certified as a BSL-1 or better by the regional Scientific Review Committee \(SRC\).](#) Contact your Regional Fair Director. **NO BACTERIAL STUDIES FOR STUDENTS IN ELEMENTARY SCHOOL (GRADES K-5) WILL BE ACCEPTED FOR ENTRY TO AN INDIANA REGIONAL FAIR.**

PLEASE NOTE:

MOST MIDDLE SCHOOLS DO NOT QUALIFY UNDER BSL-1 RULES FOR APPROVAL. ELEMENTARY SCHOOLS ARE NOT ELIGIBLE TO RECEIVE THIS STATUS.

**Human Subjects** may be used only if all experimentation is conducted under adult supervision and student researchers have notified parents of the conditions of the experiment and provided the opportunity for their child to opt out of participation. **EACH SCHOOL MUST ESTABLISH A REVIEW BOARD (IRB) TO EVALUATE AND APPROVE HUMAN SUBJECTS PROJECTS**

**Animal Behavior Studies** Research projects of this type should be reviewed AND MONITORED by a Veterinarian to ensure the safety of the student and animal.

### PROHIBITED – NO EXCEPTIONS

**Radioactive substances** or equipment that emits any form of ionizing radiation

**Hazardous Chemicals** or reagents, DEA Controlled substances, tobacco, alcohol, prescription drugs, firearms or explosives.

**Biological Agents Experiments at Home** projects that use or study microorganisms including bacteria, viruses, prions, fungi and parasites.

Some research may be possible if conducted in the school under the supervision of a properly trained teacher. (see above)

Vertebrate Animal Research involving pain, withholding of food or water.  
All Vertebrate animal research should be reviewed by a Doctor of Veterinary Medicine.

Class IV Lasers (All use of Lasers must be under direct supervision of a qualified adult)

## HUMAN SUBJECTS RESEARCH PROJECTS

All projects involving Human subjects must complete the attached ISEF forms (Form 4A and the Human Informed Consent Form) and must submit to review before experimentation begins. This must be done through a properly established Institutional Review Board (IRB) at the school level.

According to Code of Federal Regulation 45, CFR 46, a human participant is a living individual about whom an investigator conducting research obtains (1) data or samples through intervention or interaction with individuals(s) or (2) identifiable private information.

Examples of projects that are considered “human participant research” include:

- Participants in physical activities (e.g., physical exertion, ingestion of any substance, any medical procedure)
- Psychological, educational and opinion studies (e.g., surveys, questionnaires, tests)
- Studies in which the researcher is the subject of the research
- Testing of student designed invention, prototype or computer application by human participants other than student researcher
- Data/record review projects that include data that are not de- identified/anonymous (e.g., data set that includes name, birth date, phone number or other identifying variables)
- Behavioral observations that
  - involve any interaction with the observed individual(s) or where the researcher has modified the environment (e.g., post a sign, place an object).
  - occur in non-public or restricted access settings (e.g., day care setting, doctor’s office)
  - involve the recording of personally identifiable information.

Participation in research may begin only after research participants have voluntarily given informed consent/assent (in some cases with parental permission). Adult research participants may give their own consent. Research participants under 18 years of age and/or individuals not able to give consent (e.g. developmentally disabled individuals) give their assent, with the parent/guardian providing permission.

The School IRB will determine whether the consent/assent/ parental permission may be a) verbal or implicit or b) must be written.

- a. Informed consent requires that the researcher provides complete information to the participant (and where applicable, parents or guardians) about the risks and benefits associated with participation in the research study, which then allows the participants and parents or guardians to make an informed decision about whether or not to participate.
- b. Participants must be informed that their participation is voluntary and that they are free to stop participating at any time (i.e., they may participate or decline to participate, with no adverse consequences of non-participation).
- c. Informed consent may not involve coercion.
- d. When written parental permission is required and the study includes a survey, the survey must be attached to the consent form.

## **DISPLAY AND SAFETY GUIDELINES for ALL PROJECTS**

### **Items/Materials Not Allowed on Display or at Project Booth**

1. Any information on the project display or items that are acknowledgments, self-promotions or external endorsements are not allowed in the project booth.
  - a. The use of logos including known commercial brands, institutional crests or trademarks, flags unless integral to the project and approved by the SRC via inclusion in the Official Abstract and Certification.
  - b. Personalized graphic/logos that are developed to indicate a commercial purpose or viability of an established or proposed business associated with the project. The only exception is a student-created logo may be displayed at the project once.
  - c. Any reference to an institution or mentor that supported the finalist's research except as provided in the official ISEF paperwork, most notably Form 1C.
  - d. Any reference to patent status of the project.
  - e. Any items intended for distribution such as disks, CDs, flash drives, brochures, booklets, endorsements, give-away items, business cards, printed materials or food items designed to be distributed to judges or the public. Once again, handouts to judges and to the public are limited to UNALTERED photocopies of the official abstract and certification.
2. Any awards or medals, except for past or present ISEF medals that may be worn by the finalist.
3. Postal addresses, World Wide Web, email and/or social media addresses, QR codes, telephone and/or fax numbers of a project or finalist. Note: The only personal information that is permissible to include on the display is information that is also included on the Official Abstract and Certification (Finalist Name, School, City, State, Country). Information regarding finalist's age and grade are not permitted.
4. Active Internet or email connections as part of displaying or operating the project at ISEF.
5. Any changes, modifications, or additions to projects including any attempt to uncover, replenish or return removed language or items after the approval by the Display & Safety Committee and the Scientific Review Committee has been received is prohibited.
  - a. Display & Safety inspections will include recording photographic evidence of the approved Project Display and Project booth.
  - b. Finalists who do not adhere to this signed agreement on the ISEF Project Set-up Approval Form regarding this regulation may fail to qualify for competition. I/we understand that the initial Display & Safety Inspection has been completed, but that additional reviews occur and that I/we should check back regularly. I/we will vertically display this signed form at our project at all times. I/we have not and will not store packing material under the booth. I/we further understand that returning items that have been removed by the SRC or D&S and/or adding items that are not permitted after final clearance are grounds for failing to qualify for competition and/or forfeiture of all awards received.

## **Not Allowed at Project or in Booth**

Note: In the case in which a Finalist's Project includes an item that is prohibited from display, please consider taking photographs and/or documenting the significance of the prohibited item through video.

1. Living organisms, including plants
2. Glass
3. Soil, sand, rock, cement and/or waste samples, even if permanently encased in a slab of acrylic
4. Taxidermy specimens or parts
5. Preserved vertebrate or invertebrate animals
6. Human or animal food
7. Human/animal parts or body fluids (for example, blood, urine)
8. Plant materials (living, dead, or preserved) that are in their raw, unprocessed, or non-manufactured state
9. All chemicals including water. Absolutely no liquids can be utilized in the Project Display
10. All hazardous substances or devices (Example: poisons, drugs, firearms, weapons, ammunition, reloading devices, grease/oil and sublimating solids such as dry ice)
11. Items that may have contained or been in contact with hazardous chemicals (Exception: Item may be permitted if professionally cleaned and documentation for such cleaning is available). Filters (including microbial) may not be displayed unless the Display & Safety Committee can reasonably determine that the device was cleaned or was never used (please include receipts in your notebooks and/or logbooks)
12. Sharp items (for example, syringes, needles, pipettes, knives)
13. Flames and highly flammable materials
14. Batteries with open-top cells or wet cells
15. Drones or any flight-capable apparatus unless the propulsion power source removed.
16. 3D Printers unless the power source is removed.
17. Inadequately insulated apparatus capable of producing dangerous temperatures are not permitted
18. Any apparatus with belts, pulleys, chains, or moving parts with tension or pinch points that are not appropriately shielded
19. Any display items that are deemed distracting (i.e. sounds, lights, odors, etc.)
20. Personal items or packaging materials stored underneath the booth
21. Any apparatus or project material deemed unsafe by the Scientific Review Committee, the Display & Safety Committee, or the Society

## **Allowed at Project or in Booth BUT with the Restrictions Indicated**

1. Photographs and/or visual depictions if:
  - a. They are not deemed offensive or inappropriate by the Scientific Review Committee, the Display and Safety Committee, or Society for Science & the Public. This includes, but is not limited to, visually offensive photographs or visual depictions of invertebrate or vertebrate animals, including humans. The decision by any one of the groups mentioned above is final.
  - b. They have credit lines of origin ("Photograph taken by..." or "Image taken from..."). (If all photographs being displayed were taken by the Student or are from the same source, one credit line prominently and vertically displayed is sufficient.)

- c. They are from the Internet, magazines, newspapers, journals, etc., and credit lines are attached. (If all photographs/images are from the same source, one credit prominently and vertically displayed is sufficient.)
  - d. They are photographs or visual depictions of the Student.
  - e. They are photographs of human subjects for which signed consent forms are at the project or in the booth.
2. Any apparatus with unshielded belts, pulleys, chains, or moving parts with tension or pinch points if for display only and not operated.  
Any demonstration for judges or the public must be performed within the maximum size of the project permitted, (Check with Regional Fair for Size)
3. Class II lasers if:
- a. The output energy is  $<1$  mW and is operated only by the Finalist
  - b. Operated only during the Display and Safety inspection and during judging
  - c. Labeled with a sign reading "Laser Radiation: Do Not Look into Beam"
  - d. Enclosed in protective housing that prevents physical and visual access to beam
  - e. Disconnected when not operating Note: Class II lasers are found in laser pointers and in aiming and range-finding devices. They pose a risk if the beam is directly viewed over a long period of time.
  - f. Class III and IV lasers if for display only and not operated.
4. Any apparatus producing temperatures that will cause physical burns if adequately insulated

DISPLAY SIZE. (not to exceed 48" wide x 54" tall(above table) x 30" deep.) No portion of the display may exceed these dimensions.

All posters must be representative of the work of the student. It must include only work done this school year. Parents and teachers are encouraged to assist in checking grammar and spelling for posters.



## TYPES OF PROJECTS

**Experimental:** This type of project begins with a question of a scientific nature. It involves changing a variable, observing and recording the effects of changing the variable, and interpreting the importance of these effects. Experimental projects must have a control group to compare results to. Repeated trials or the use of large sample sizes are important processes to reduce the possibility of error and increase the validity of the results.

**Descriptive Study:** These projects involve comparing two or more different groups. The set up is much like experimental projects but missing the element of a control group. In this type of study you could compare the amount of sea grasses in a protected area against areas frequented by boaters.

**Engineering:** This project involves redesigning or attempting to improve an existing process or device. It may include combining devices for a new purpose. The process of engineering is cyclical and has a set of engineering goals rather than a scientific question and hypothesis.

**Product testing** This type of project is typically not an acceptable scientific study, however some regional fairs will accept them from the lower grades. Check with your Regional Fair Director to confirm.

**Science Fair protocol prohibits any student from working with bacteria or fungi in their home. There are no exceptions to this rule.** Similarly, any work involving human or animal tissue will not be allowed in K-8 regional or school fairs. The student must read and cite the MSDS sheet for any chemical that is used in the experiment. Safety of the experimenter and the community must always be a priority and are the responsibility of the teacher and parent to monitor.

**The following format is recommended for organizing and writing the research paper:**

**Title Page:** Project Title, Your Full Name & Date Submitted

**Purpose/Question:** What question will your project be trying to answer? Should be in the format of an If....then statement. (Example: Will changing the temperature of a honey cause it's viscosity to change?)

**Variables, Constants and Control:** You need to list your Manipulated variable (what you change), your Responding variable (what you measure that changes based on your change) , your constants (what must stay the same) and the control group (what you are comparing the experimental group to).

**Research Section:** Before you begin your experiment, even before you make your hypothesis you should find out as much as you can about the related topics and underlying scientific principles that will be involved in your project. The purpose of this section is to show that you understand the branch of science this topic falls under, the related science concepts and specific vocabulary. This is a retelling in your own words of what experts know about the topic. Keep track of the sources you use and include them in the works cited page. This section of the paper may be at least 3 to possibly 4 pages long.

**Hypothesis:** On this page the purpose of the project is stated. The purpose should include what you plan to do, the reason you chose the topic, and what you were hoping to learn. The hypothesis is a written statement that concerns your prediction as to how the manipulated variable will affect the responding variable.

**Materials List/Procedures (Experimental Design):** The material list should include everything you used to complete your project. The procedures should follow a step by step format. The procedures should be detailed and explain all safety protocols that were followed to protect the experimenter and the community. If chemicals are used discuss the safe handling and disposal of the chemicals. This section of the paper may be one to two pages long.

**Data & Graphs:** Once the experiment starts all possible data should be collected and recorded in the logbook. For the report, organize this data into charts, tables and graphs. Use line graphs whenever possible and the metric system at all times. This section of the paper may be one or more pages long, depending on the amount of data collected.

**Conclusion:** Follow a three paragraph format to ensure the conclusion is thorough. The first paragraph is a discussion of the hypothesis and data. Restate the hypothesis and decide if the data supported this statement or did not support it. Retell the data using the numbers, and/or your analysis of the numbers such as the mean, median or mode. State your inference concerning why the data turned out the way it did. The second paragraph discusses the problems or concerns you had during the experiment. Include new ideas that came to you that you might use as the basis of a science project in the future, or ways to change this idea to use in the future. The last paragraph states what you learned as the result of this project. Include any observations you made as to how this information can be applied to real life. This is one page.

**Works Cited:** Using MLA or APA style, document all books, magazines or electronic information sources that you used for your review of literature.

From Science Buddies

[http://www.sciencebuddies.org/science-fair-projects/project\\_ideas/Safety\\_Guidelines.shtml](http://www.sciencebuddies.org/science-fair-projects/project_ideas/Safety_Guidelines.shtml)

Safety should be a primary concern for every science experiment. The good news is that most projects you'll find on the Science Buddies website involve virtually no risk. However, almost any tool or technique, no matter how safe, can be used in an unsafe manner. At the same time, many potentially dangerous tools are perfectly safe if they are used in the proper way. So how do you know if your project is within reasonable safety guidelines?

Science Buddies recommends you ask three simple questions to test your project's level of safety.

1. Is it safe for other people or animals that are involved? All projects involving humans as subjects must involve minimal risk. Unacceptable risks include ingestion of any substance or physical contact with any potentially hazardous materials, as well as unnecessary physical, psychological, or emotional stress, including invasion of privacy. Even if you are simply surveying other students, you should review your questions in advance and decide if the questions meet this test, and determine if a parent/guardian's consent is needed for any students that are participating. If you're not sure, don't hesitate to ask a teacher, parent, or mentor to help you decide.

Live animals (in particular vertebrate animals-those with a backbone) should be housed, cared for, and observed in a safe and humane manner.

2. If you are participating in another science fair after your classroom or school fair, does your project meet the safety rules for that higher-level fair? If you will be participating in a city or county-wide fair, make sure that the projects meet the rules of that fair. Science fairs affiliated with the Intel International Science and Engineering Fair (ISEF) must follow very strict and detailed safety rules, often including pre-approval before experimentation begins.
3. Finally, have you addressed safety concerns to your parents' and teacher's satisfaction? Make sure you address all safety issues in your project proposal so your adult supervisors are aware of any issues ahead of time. Your teacher will then evaluate your project based on the following questions:
  - Where will the experiment be performed?
  - What safety gear will be used?
  - Who will be supervising the experiment?
  - Are you knowledgeable about or do you have training in the procedures being used?

If in doubt about the safety of the experiment, ask your teacher, parent, or mentor for advice. Be prepared to choose another project if your teacher decides that yours does not meet the appropriate school safety guidelines. Hopefully good common sense and the questions above will help you put together a fun, informative, and safe science fair project.

## ONLINE REGISTRATION SYSTEM

SEFI offers to schools and regions an online registration system that teachers should use to help organize the school level fair. When a teacher creates an account on the system they will be able to give access to students. This system must be used if you are planning on attending the regional fair. Additional information can be found on the SEFI website [www.sefireg.org](http://www.sefireg.org)

## Regional Fairs in Indiana:

East Central Indiana Regional Science Fair	Ball State University
Lafayette Regional Science Engineering Fair	Purdue University
Northeastern Indiana Regional Science Fair	Purdue University at Fort Wayne
Northeastern Indiana Tri-State Regional Science Fair	Trine University
Northern Indiana Regional Science & Engineering Fair	Notre Dame
Northwestern Indiana Regional Science & Engineering Fair	Valparaiso University
Tri-State Regional Science & Engineering Fair	University of Southern Indiana
West Central Indiana Science & Engineering Fair	DePauw University
Central Indiana Regional Science & Engineering Fair	Marian University
South Central Indiana Science & Engineering Fair	Ivy Tech Community College – Bloomington Campus

FOR SPECIFIC DATES AND TIMES VISIT OUR WEBSITE

[www.sefi.org](http://www.sefi.org)

Look under the link “Regional Fair Network” for your region.

## Project Categories

The categories listed below are those used at the State Science Fair. Local and regional fairs may or may not choose to use these categories, dependent on the needs of their area. Please check with your fair(s) for the appropriate category listings at that level of competition.

### Category Selection Advisement:

Many projects could easily fit into more than one category. It is your decision to choose the category that most accurately describes your project.

Ask yourself the following questions to help in the selection of a category:

1. Who will be the most qualified to judge my project? What area of expertise is the most important for the judge to have? (For example, a medical background or an engineering background?)
2. What is the emphasis of my project? What characteristic of my project is the most innovative, unique or important? (For example, is it the application in medicine or the engineering of the machine? Is it inserting the proper gene or the method of computer mapping to demonstrate the results?)

Animal Sciences  
Behavioral & Social Sciences  
Biomedical & Health Sciences  
Cellular/ Molecular Biology & Biochemistry  
Chemistry  
Earth & Environmental Sciences  
Engineering (all *except environmental*)  
Environmental Engineering  
Intelligent Machines, Robotics and Systems Software  
Mathematics & Computer Sciences  
Microbiology  
Physics & Astronomy  
Plant Sciences

THE ELEMENTARY AND MIDDLE SCHOOL FORM THAT FOLLOWS THIS PAGE IS ACCEPTED IN LIEU OF THE FULL ISEF FORMS FOR STUDENTS IN GRADES K-8 WITH THE EXCEPTION OF PROJECTS INVOLVING HUMAN SUBJECTS OR BACTERIAL STUDIES. THESE PROJECTS SHOULD USE THE FULL ISEF FORMS SET FOR PRIOR APPROVAL.

Check with your regional fair director for additional explanation of the rules and requirements for your students projects.



## Indiana Junior Division Project Form

<b>Last Name:</b>	<b>First Name</b>		<b>Grade</b>	
<b>Email Address:</b>	<b>Phone:</b>	<b>Gender</b>		
<b>School Name</b>		<b>School City</b>	<b>State</b>	<b>Zip</b>
<b>School Phone:</b>			<b>Teacher Approval:</b>	
			<i>By signing here the Teacher has approved this project plan:</i>  <div style="border-top: 1px solid black; width: 100%;"></div> <div style="text-align: right;">Date</div>	
<b>Teacher Name</b>	<b>Teacher Email</b>			

Is this a Team Project? \_\_\_\_ Yes \_\_\_\_ No (if yes complete top section of form for each team member)

### Project Proposal:

*In the boxes provided describe the project you want to do for science fair.*

Question:

Hypothesis:

Experimental Method: *(Attach separate pages if needed)*

References:

(1)

(2)

**If you marked yes to any of the items at the bottom of page one, answer the appropriate questions below in the space provided. Your Teacher may have you answer additional questions before giving approval.**

*Does this project use any of the following items? If yes, you must complete page 2 of the form.*

☐ Human Subjects    ☐ Animals    ☐ Bacteria, Yeast, DNA or other Pathogens  
☐ Chemicals    ☐ Hazardous Substances    ☐ Hazardous Equipment

**HUMAN SUBJECTS PROJECT (REQUIRES IRB APPROVAL AND ISEF FORMS)**

1. If you are doing a survey or test involving humans or animals describe in detail what you are doing.
  - a. Are there any possible risks involved for the test subjects?
  - b. If yes, how will you prevent injury?
2. If you are using Humans, you must share your research plan with the parents of test subjects under 18 years old and have them give you permission to use their child in your research.

**VERTEBRATE ANIMAL PROJECT (REQUIRES A VETERINARIAN TO MONITOR)**

1. If you are using animals, you must have this plan reviewed by a veterinarian or other trained person for animal safety.
2. What safety procedures will you use while experimenting?

**BACTERIA, YEAST (ONLY GRADES 6-8 MAY CONDUCT THESE PROJECTS AND NEVER AT HOME)**

1. List in detail what items you will be studying and where you will get them. (All of these studies must be done under the supervision of a trained adult in a high school or certified lab.)
2. How will you dispose of your organisms after your research?
3. What safety procedures will you use while experimenting?

**CHEMICALS/HAZARDOUS SUBSTANCES/HAZARDOUS EQUIPMENT**

1. List all chemicals, substances, and equipment that you will be using for your experiment.
2. From where will you get each of these items?
3. What safety procedures will you use while experimenting?



# Human Informed Consent Form

**Instructions to the Student Researcher(s):** An informed consent/assent/permission form should be developed in consultation with the Adult Sponsor, Designated 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 of Study:

Benefits:

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: \_\_\_\_\_

## Human Participants Form (4)

Required for all 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 recruitment or data collection.)

Student's Name(s)

Title of Project

Adult Sponsor

Phone/Email

**Must be completed by Student Researcher(s) in collaboration with the Adult Sponsor/Designated Supervisor/Qualified Scientist:**

1. ☐ I have submitted my Research Plan/Project Summary which addresses ALL areas indicated in the Human Participants Section of the Research Plan/Project Summary Instructions.
2. ☐ I have attached any surveys or questionnaires I will be using in my project or other documents provided to human participants.  
☐ Any published instrument(s) used was /were legally obtained.
3. ☐ I have attached an informed consent that I would use if required by the IRB.
4. ☐ 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
  2. Qualified Scientist (QS) Required (Form 2): ☐ Yes ☐ No
  3. Designated Supervisor (DS) Required (Form 3): ☐ Yes ☐ No
  4. Written Minor Assent required for minor participants:  
☐ Yes ☐ No ☐ Not applicable (No minors in this study)
  5. Written Parental Permission required for minor participants:  
☐ Yes ☐ No ☐ Not applicable (No minors in this study)
  6. Written Informed Consent required for participants 18 years or older:  
☐ Yes ☐ No ☐ Not applicable (No participants 18 yrs or older in this study)

**IRB SIGNATURES (All 3 signatures required)** None of these individuals may be the adult sponsor, designated 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.**

Printed Name

Degree/Professional License

Signature

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

**Educator**

Printed Name

Degree

Signature

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

**School Administrator**

Printed Name

Degree/Professional License

Signature

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