

Elementary STEM FAIR Application/Safety Assessment

Form must be completed and approved **BEFORE** you start your project. Signature dates must reflect this time line.

Student Name: _____ Grade: ____ Project Type: Experiment ____ Engineering ____

Testable Question/Problem Statement: _____

Project Title: _____

Team member(s) (if a group project): _____

When will you conduct your project data collection? (Start date **must** be after this form is signed.) Start Date: _____

End Date: _____

Where will you conduct your experiment? (Check all that apply.) School ____ Home ____ Other ____

Include addresses for other locations:

1. _____

2. _____

School Name: _____ School Phone: _____

School Address: _____

Classroom Teacher/Sponsor: _____ Email: _____

By signing below, the Student/Parent/Guardian Acknowledge:

1. I have read and understand the STEM Fair Safety Guidelines on back of this form.
2. My project does not contain mold or bacterial growth.
3. My project involves minimal risk to humans or vertebrate animals. See safety guidelines on back.
4. I can state my question, explain how I will complete the experiment (including procedures and materials), and who will supervise my work. My teacher and I have reviewed the rules and guidelines and I will adhere to these rules while conducting this research. I understand the risks and possible dangers to me of the proposed research plan.
5. I have read and will abide by the following ethics statement:

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.

Student's Printed Name

Signature

Date

Parent/Guardian Name Printed

Signature

Date

Classroom Teacher/School Coordinator

Signature

Date

Student must complete a new form if the project changes from the information stated above.

STEM Fair Safety Guidelines

Before starting your science project, take some time to think about possible safety issues associated with your project. Projects should be the work of students and be monitored by parents/guardians.

***Parents/Guardians must carefully monitor any experiments that are performed as part of a project.**

***Parents/Guardians are responsible for insuring that proper safeguards are in place for any hazards that may exist.**

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. 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. No harm must to come the animal/vertebrate.

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?

***Minimal Risk:** No more than minimal risk exists when the probability and magnitude of harm or discomfort anticipated in the research are not greater (in and of themselves) than those ordinarily encountered in everyday life or during performance of routine physical or psychological examinations or tests.

More than minimal risk exists when the possibility of physical or psychological harm or harm related to breach of confidentiality or invasion of privacy is greater than what is typically encountered in everyday life.

If you are unclear on the risk level, please visit the following link:

<https://www.societyforscience.org/isef/international-rules/human-participants/#riskassess>