

# Science & Engineering Fair Form

## FRSEF Elementary + Middle School



Needs to be completed, approved and signed prior to beginning of experimentation.

### Project Safety Review

Projects may require additional review and supervision. Determine if any of the below apply to your project. A project may fall under multiple categories / safety reviews.

If no reviews apply – only the teacher and parent signatures are required.

### Human Test Subjects (example. taste tests, play a game, prototype testing or interacting with humans)

If you are working with humans of ANY age, you need PRE-approval from a **Science Teacher AND a Psychologist, Medical Doctor or Registered Nurse** to make sure your research is safe. During the review, if it is determined that there is more than minimal risk to the human subjects involved in the project, the student must receive written consent from each of the participants and **written parental consent for students under 18 years old.**

**Required Signatures: Science Teacher AND a Psychologist, Medical Doctor or Registered Nurse.**

A copy of the surveys or test you intend to use must be attached AND an example informed consent form.

Check here if working with Human Subjects Type:  Survey  Task Measurement  Prototype Testing  Observation

### Non-Human Vertebrate Animals (example: fish, rabbits, dogs, cats, etc)

Experiments involving laboratory animals (rats, mice, hamsters, gerbils, rabbits, etc) cannot be conducted in a student's home except for behavior studies on pets. Proper animal care must be provided daily, including weekends, holidays and vacations. Experimental procedures that cause unnecessary pain or discomfort are prohibited. Experiments designed to kill vertebrate animals are not permitted. Experiments with a death rate of 30% or higher are not permitted. Behavioral studies or supplemental nutritional studies involving pets or livestock may be done at home.

**Required Signatures: Science Teacher AND a Veterinarian or other Biomedical/Biological Scientist**

Check here if working with animals Animal in experiment (write it in): \_\_\_\_\_

### Controlled Substances (example: Over the counter or prescription drugs, tobacco, and alcohol)

Students must adhere to all federal, state and local laws when acquiring and handling controlled substances. Only under the direction of a qualified scientist or designated supervisor may a student use federally controlled or experimental substances for experimentation. Students under 21 may not handle or purchase smokeless powder or black powder for science projects.

**Required Signatures: Science Teacher AND a Biomedical/Biological Scientist**

Check here if working with controlled substances Controlled Substance (write it in): \_\_\_\_\_

### Hazardous Substances or Devices (Chemicals, firearms, welders, lasers, radioactive substances, radiation)

Students must adhere to federal and state regulations governing hazardous substances or devices. **An adult must directly supervise experiments.** Students working with hazardous substances or devices must follow proper safety procedures for each chemical or device used in the research.

**Required Signatures: Science Teacher AND a Biomedical/Biological Scientist**

Check here if working with hazardous substance or device Hazard (write it in): \_\_\_\_\_

### Potentially Hazardous Biological Agents

(example: Bacteria, Mold, Fungi, Viruses, Parasites, rDNA, Human or Animal fresh tissues, blood or body fluids, etc)

All **Biosafety Level 1 and 2 projects can be performed in a school laboratory. BACTERIA MAY NOT BE GROWN AT HOME.** Standard microbiological practices must be used and all hazardous agents must be properly disposed of at the end of experimentation. The experiment must be supervised by a qualified scientist or a trained supervisor.

**Required Signatures: Science Teacher AND a Biomedical/Biological Scientist**

Check here if working with animals PHBA (write it in): \_\_\_\_\_

### Research Location Check all that apply

Home  School  University  Lab  Public Facility (Park, Library, etc)  Other

Location 1: \_\_\_\_\_ Location 2: \_\_\_\_\_

## Student and Project Information

Team Project Yes  No

Number of Participants 1  2  3  4  (Elem Only)

**Student 1** Grade 3  4  5  6  7  8

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

**Student 2** Grade 3  4  5  6  7  8

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

**Student 3** Grade 3  4  5  6  7  8

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

**Student 4** Grade 3  4  5  (Elem only for 4 members)

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

**Title of Project:** \_\_\_\_\_ **Project ID:** \_\_\_\_\_

**School:** \_\_\_\_\_

**Teacher Name:** \_\_\_\_\_

## Student Signatures

I certify the following:

- My project complies with all rules of the FRSEF.
- I have completed and attached a project plan.

\_\_\_\_\_  
Student

\_\_\_\_\_  
Date

*If a team project, each additional team member*

\_\_\_\_\_  
Student

\_\_\_\_\_  
Date

\_\_\_\_\_  
Student

\_\_\_\_\_  
Date

\_\_\_\_\_  
Student

\_\_\_\_\_  
Date

*\*Image Consent: I consent to my child's image being used by the FRSEF and FRSEF partner organizations.*

## Parent / Guardian Signatures

I have read and understand the risks and possible dangers involved in the project plan and I consent to my child participating.

\_\_\_\_\_  
Parent / Guardian

\*Image Consent

\_\_\_\_\_  
Date

*If a team project, each additional team member*

\_\_\_\_\_  
Parent / Guardian

\*Image Consent

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent / Guardian

\*Image Consent

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent / Guardian

\*Image Consent

\_\_\_\_\_  
Date

## Completed by Approving Educator

I have reviewed and approved this student's project plan prior to experimentation and certify that it will comply with all rules of the Flint Regional Science & Engineering Fair.

- Approved

\_\_\_\_\_  
Educator Signature

\_\_\_\_\_  
Date

## Additional Safety Approval Required

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Email: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date