



# University of Utah Science & Engineering Fair

## Science Fair Form – Elementary & Junior Division



Students in grades 5-8 in the Salt Lake, Murray, Tooele, Park City, Granite, and Canyons Districts, as well as Charter and students from the Salt Lake Catholic Diocese and private schools who would like to participate in the University of Utah Science and Engineering Fair (USEF) must complete both pages of this form to become eligible to compete. USEF participants will also be **required** to register online by **February 15, 2019**. Forms must be submitted to your district representative in order to advance to USEF.

### Student Information

Team Project    Yes     No     Number of Participants    1     2     3

**Student 1**    Grade: 5  6  7  8     **Student 2**    5  6  7  8     **Student 3**    5  6  7  8

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

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

School: \_\_\_\_\_    District: \_\_\_\_\_

Teacher Name: \_\_\_\_\_    Teacher Email: \_\_\_\_\_

**Project Category:** Select the category that best fits your project

- |  |   |   |  |
|--|---|---|--|
| <input type="checkbox"/> Behavioral & Social Science         | <input type="checkbox"/> Biology & Biochemistry             | <input type="checkbox"/> Chemistry                                  | <input type="checkbox"/> Earth & Environmental Science |
| <input type="checkbox"/> Energy: Chemical & Physical         | <input type="checkbox"/> Engineering: Civil & Environmental | <input type="checkbox"/> Engineering: Electrical & Computer Science |  |
| <input type="checkbox"/> Engineering: Materials & Biomedical | <input type="checkbox"/> Engineering: Mechanical            | <input type="checkbox"/> Medicine & Health Sciences                 |  |
| <input type="checkbox"/> Physics, Astronomy & Math           | <input type="checkbox"/> Plant Sciences                     |   |  |

### Project Approval:

Certain projects require additional considerations and supervision. Read through each of the following restrictions carefully. Determine if any of these apply to your project. Some projects may be subject to multiple restrictions. If any of these restrictions apply to your project, check the "Applies to this Project" box for that area. **If no restrictions apply** only the science teacher signature is required. **Before beginning experimentation**, you will need to obtain any additional signatures listed in the restrictions.

**Human Test Subjects** (Example: surveys, taste tests, play a game or interact with another human in any way)

A copy of the surveys or test you intend to use must be attached.

Additional project review is required. 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**. If they determine that there are unacceptable risks involved the student must revise his or her project. Please attach a copy of the surveys or tests you intend to use with your research plan. Students may not publish or display information that identifies the human subjects. Signature pages **MUST** be included with registration form. If it is determined that there are unacceptable risks involved, the student must revise his or her project.

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

Applies to this project

**Non-Human Vertebrate** Animals (Example: fish, rabbits, dogs, 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

Applies to this project

**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

Applies to this project

**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

Applies to this project

**Potentially Hazardous Biological Agents** (Example: Bacteria, Mold, Fungi, Viruses, Parasites, Recombinant DNA (rDNA), Human or Animal fresh tissues, blood or body fluids, etc)

Determine the level of biological containment available to the student researcher. All **Biosafety Level 1 and 2 projects can be performed in a school laboratory but are prohibited in the home environment**. 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 designated supervisor. For lab space or questions, please contact the U of U Science and Engineering Fair at 801-585-9109 or [jody.oostema@utah.edu](mailto:jody.oostema@utah.edu)

Required Signatures: Science Teacher AND a Biomedical/Biological Scientist

Applies to this project

**REQUIRED FOR ALL PROJECTS:**

Science Teacher Signature

Date: \_\_\_\_\_

**ADDITIONAL SIGNATURE:**

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

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

Signature: \_\_\_\_\_

If more than one signature is required, please use an additional copy of this form.

## Project Information

Project Title: \_\_\_\_\_

Adult Supervisor's Name: \_\_\_\_\_ Email or phone #: \_\_\_\_\_

Students must have an adult supervising them when they are working on their project. This usually means a parent or guardian.

Research Locations: Please list the names, addresses and type of location for each place you plan to conduct your research or work on your problem. Check all that apply.

Facility Type: Home  School  University  Lab  Public Facility (Park, Library, Etc)  Other  \_\_\_\_\_

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

## Student & Parent/Guardian Signatures

I certify that my science project complies with all of the experimental rules of the University of Utah Science and Engineering Fair. I have also read and I understand the display and safety rules. If I display any of the items listed above, I am aware that they will be removed and returned at the conclusion of the science fair. I agree to set up my project on the appointed day prior to my competition and I will leave my project on display until the conclusion of the awards ceremony.

Signature of Student \_\_\_\_\_ Date \_\_\_\_\_

**If this is a team project, each additional team member must sign below.**

Signature of Student \_\_\_\_\_ Date \_\_\_\_\_

Signature of Student \_\_\_\_\_ Date \_\_\_\_\_

I give my permission to allow appropriate information about my child to be used for publicity purposes. This includes photographs submitted by me or my child as well as any photographs, videos or likenesses that by be used by the University of Utah Science & Engineering Fair, or the sponsors of awards for the purposes of illustration, advertising or publication in any manner. I also consent to the use of my child's name in connection therewith.

Signature of Parent/Guardian \_\_\_\_\_ Date \_\_\_\_\_

**If this is a team project, each additional team member's Parent/Guardian must sign below.**

Signature of Parent/Guardian \_\_\_\_\_ Date \_\_\_\_\_

Signature of Parent/Guardian \_\_\_\_\_ Date \_\_\_\_\_

## Teacher Signature

I have reviewed and approved this student's research plan prior to experimentation and certify that they will comply with all of the experimental rules of the University of Utah Science & Engineering Fair.

Teacher Signature \_\_\_\_\_ Date \_\_\_\_\_

## USEF Approval for Competition

\_\_\_\_\_  
Regional SRC Approval

\_\_\_\_\_  
Date

**A copy of this form must be submitted to the qualifying school district level fair in order to qualify for USEF.**

Please contact Jody Oostema at [jody.oostema@utah.edu](mailto:jody.oostema@utah.edu) or 801-585-9109 with any questions.

The University of Utah Science & Engineering Fair is presented by the Center for Science and Mathematics Education and the University of Utah.