



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 <input type="checkbox"/> No <input type="checkbox"/>	Number of Participants	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>		
Student 1	Grade: 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/>	Student 2	5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/>	Student 3	5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/>
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

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 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.

2019 Morningside Elementary STEM Fair Preapproval

Name: _____ Teacher: _____
Name: _____ Teacher: _____
Name: _____ Teacher: _____

1. My Question is: _____

2. When I researched my question/topic I found: (“No research available” is NOT a valid response. Investigate keywords about your question, or discuss what you read/saw that lead you to your question. Use reliable resources.)

3. My Hypothesis is: (Remember, a strong hypothesis includes what you expect to happen AND a supporting reason.)

4. Where will your experiment be conducted? Please list all locations you might conduct your experiment.
(Bacteria/fungi/mold projects or any other project involving potentially hazardous biological agents CANNOT be cultured or grown at home. See previous page.)

5. What equipment will you need to conduct your experiment?

6. Procedure/Project Summary

(Please write a detailed explanation about what you plan to do for your experiment. Describe the steps you will follow to complete your experiment.)