CENTRAL • UTAH STEM • FAIR

Junior Division Form (7-8 Grade)

One form required per project

All students completing a science fair project in grades 7-8 in the Alpine, Jordan, Nebo, Provo, or Wasatch District, or Charter/Private School within the listed district boundaries, must complete this form, complying with safety and experimentation rules.

Project Information:

School Name: _____ School District: _____

Teacher Name: _____

Project Type: ❑Individual ❑Team | Number of Team Members ❑2 ❑3

Student 1: Grade ❑7 ❑8	Team Member 2: Grade ❑7 ❑8	Team Member 3: Grade ❑7 ❑8
First Name: _____	First Name: _____	First Name: _____
Last Name: _____	Last Name: _____	Last Name: _____

Required Project Approval:

Please respond to each question and obtain the correct **approvals and signatures needed BEFORE experimentation.** Project must be reviewed and approved before each individual may sign. **Check all boxes that apply.**

❑ I completed a project. (**required for all projects)

By signing below I certify that I have reviewed and approved this student's research plan **AND** project details listed on page 2, prior to experimentation and certify that the experimental rules of the Central Utah STEM Fair and project approvals below, are being followed in compliance with the affiliation with the International Science & Engineering Fair and BYU-Public School Association and Governing Board.

Supervising Teacher Signature _____ Date _____

❑ My project used human test subjects (examples: survey, taste test, play a game, etc)

A copy of the surveys or tests you intend to use must be attached. Additional project review required. During the review, if it is determined that there is more than minimal psychological or physical 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, 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.

Psychologist, Medical Doctor or Registered Nurse Signature _____

Name _____ Email/Phone _____ Date_____

❑ My project used non-human vertebrate animals (examples: 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 percent or higher are not permitted. Behavioral studies or supplemental nutritional studies involving pets or livestock may be done at home.

Veterinarian or other Biomedical/Biological Scientist Signature _____

Name _____ Email/Phone _____ Date_____

❑ My project used bacteria, mold, fungi, viruses/parasites, human or animal fresh tissues, blood or bodily fluids (Potentitally Hazardous Biological Agents)

Determine the level of biological containment available to the student researcher. Biosafety Level 1 projects can be performed in a school BSL-1 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. ****Bacteria, mold, fungi or other hazardous agent CANNOT be cultured at home, doing so is an automatic disqualification**. For lab space or questions, please contact the Central Utah STEM Fair via email: admin@cusef.byu.edu

Biomedical/Biological Scientist Signature _____

Name _____ Email/Phone _____ Date_____

❑ My project used prescription or over the counter drugs, alcohol, and/or tobacco

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 therapy or experimentation. Students under 21 may not handle or purchase smokeless powder or black powder for science projects.

Biomedical/Biological Scientist Signature _____

Name _____ Email/Phone _____ Date_____

❑ My project used hazardous chemicals, weapons/firearms, lasers, radiation, etc.

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

School Administrator Signature _____

Name _____ Email/Phone _____ Date_____

Project Category: Please select the category that best fits your project

❑Animal & Plant Sciences
❑Behavioral & Social Science
❑Biology & Biochemistry
❑Biomedical, Medicine, & Health Sciences
❑Chemistry
❑Earth & Environmental Science
❑Energy: Chemical & Physical
❑Engineering: Civil & Environmental
❑Engineering: Electrical & Computer Science
❑Engineering: Materials & Mechanical
❑Physics, Astronomy, & Mathematics

Project Details: Please be complete in your answers

State your question or computer/engineering problem:_____

_____

_____

How did you come up with your project idea?:_____

List one resource for your background research:_____

Walk through your thought process for your project: _____

_____

_____

Materials you needed: _____

Where did you complete your project? (example: home, school, university, etc): _____

Adult Supervisor's Name: _____ Email/Phone: _____

Summary of project including detailed explanation about any **safety precautions** that will be in place for you and/or your test subjects:

_____

_____

_____

_____

_____

Display & Safety Rules:

Display boards can be no larger than 30" deep, 48" side to side, and 108" tall.
Do NOT bring items from your experiment to display -- take pictures and include them on your board or project notebook. A 1 minute video is also permitted with fair personnel preview and approval.
As an affiliated fair with the International Science & Engineering Fair the following are NOT permitted when creating or displaying your board:

1. Living organisms, including plant material
2. Taxidermy speciments or parts
3. Preserved animals - including embryos
4. Food (empty containers may be secured to the display)
5. Human or animal parts or body fluids
6. Soil, sand or waste samples
7. Laboratory/household chemicals - including water
8. Poisons, drugs, hazardous substances, or devices
9. Sharp items - pipettes, glass, syringes, needles
10. Highly flammable display materials (NO matches)
11. Empty tanks that previously contained combustible liquids or gases
12. Batteries with open top cells
13. Photographs of people other than yourself or your family without their written permission (must have signatures)
14. Photographs or visual representations depticting vertebrate animals in surgical techniques, dissections, necropsies, other lab techniques, improper handling methods, improper housing conditions, etc.

I certify that my science project complies with all of the experimental rules of the Central Utah STEM Fair. I understand that if I have not complied with these rules that my project could fail to qualify for competition. I have also read and I understand the display and safety rules. If I display any of the objects listed above I am aware that they will be removed and returned at the conclusion of the fair.

If I am selected to participate at the Central Utah STEM 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 designated time for project tear down. I understand that I must be present for judging during the designated competition date and time to be eligible to receive an award.

I understand that the completion of this form, and submission to my school or district, does not guarantee advancement to the Central Utah STEM Fair. I understand that if selected as a district finalist I am required to register **online** for the Central Utah STEM Fair. I understand the district will provide the registration information to me, including the username and password, and that I **must register online** no later than February 27, 2020 or for a $25 late fee February 28 - March 1. I understand that I will receive an email confirmation as verification that I have registered, if I do not I should email admin@cusef.byu.edu **BEFORE** March 2. I understand that no registrations for the Central Utah STEM Fair will be accepted after March 1.

Signature of Student 1 _____ Signature of Parent/Guardian _____ Date _____

Signature of Team Member 2 _____ Signature of Parent/Guardian _____ Date _____

Signature of Team Member 3 _____ Signature of Parent/Guardian _____ Date _____