

Here are some examples:

Life Science
Experiment: What fertilizer makes flowers grow best?
Study: On what side of a tree do robins build nests?

Physical Science
Experiment: What material makes the best insulator?
Study: Planets

Engineering
Experiment: What affects the strength of a bridge?
Study: Analysis of a family's energy consumption.

Computer
Experiment: Writing a new computer program.
Study: Uses of a commercial software package.

UCSF PROJECT ELIGIBILITY:

Contact is Jason Marshall, UCSF Chair, at 613-932-8360 - - a message can be left during school hours and I will get back to you at my earliest convenience or email jason.marshall@ucdsb.on.ca.

Result forms are available on our web site and must accompany each project entering the UCSF.

Firearms and/or Explosives: Your project is **NOT ELIGIBLE** for the Fair.

Human: You must contact the chair of UCSF outlining your proposed use of human research participants **BEFORE** beginning your project.

Animals: Projects involving animals will be eligible for the fair only under certain (rigid) conditions.

You can **OBSERVE** animals with a backbone (i.e. vertebrates, such as fish, birds, dogs, cats, lizards, hamsters, mice, humans, etc.) in their natural habitat. You **CANNOT** use animals with a backbone in any active investigations. You **CANNOT** display animals at the fair. Fertilized eggs must **NOT** be part of any investigation.

Micro-organisms and/or moulds: **Some are prohibited by law.**

You must contact the chair of UCSF outlining your proposed use of micro-organisms and/or moulds **BEFORE** beginning your project.

Plants and/or Soil: Government regulations prohibit soil and plants from being displayed at the Canada-Wide Science Fair. However, they **are allowed** at the United Counties Science Fair.

Manipulation of DNA and/or Animal Viruses: You must contact the chair of UCSF outlining your proposed manipulation of DNA and/or animal viruses **BEFORE** beginning your project.

DISPLAY OF PROJECT

Safety:

Due to health regulations, no samples of food or drink may be distributed at the Fair.

No display may have any thing that may be harmful to the students or the public, e.g.

- ❖ **Chemicals** (display harmless substitutes such as photos or empty containers instead)
Prohibited Products: drugs, pills, medicines, alcohol, fertilizer, herbicide, pesticide, gasoline, oil, household cleaners, pool chemicals, aerosol cans, with any contents or pressure, poisonous, crystals, mercury filled thermometers, etc.
- ❖ **Flames**
- ❖ **Hot Substances** (plugged in heaters, kettles & light bulbs without a protective guard)
- ❖ **Exposed or dangerous electrical wiring:** over 36v
- ❖ **Firearms or Explosives**
- ❖ **Unprotected sharp or moving objects**
- ❖ **Flammable materials** (including the products for setting up the display)
- ❖ **Lasers cannot be turned on at the Science Fair**

More in depth information available at: www.yscanada.ca

IMPORTANT TO NOTE:

All projects must pass a safety check after set-up on Friday, April 1, 2011, and must remain safe for the duration of the Fair. Any safety infractions must be rectified or the project will be disqualified.

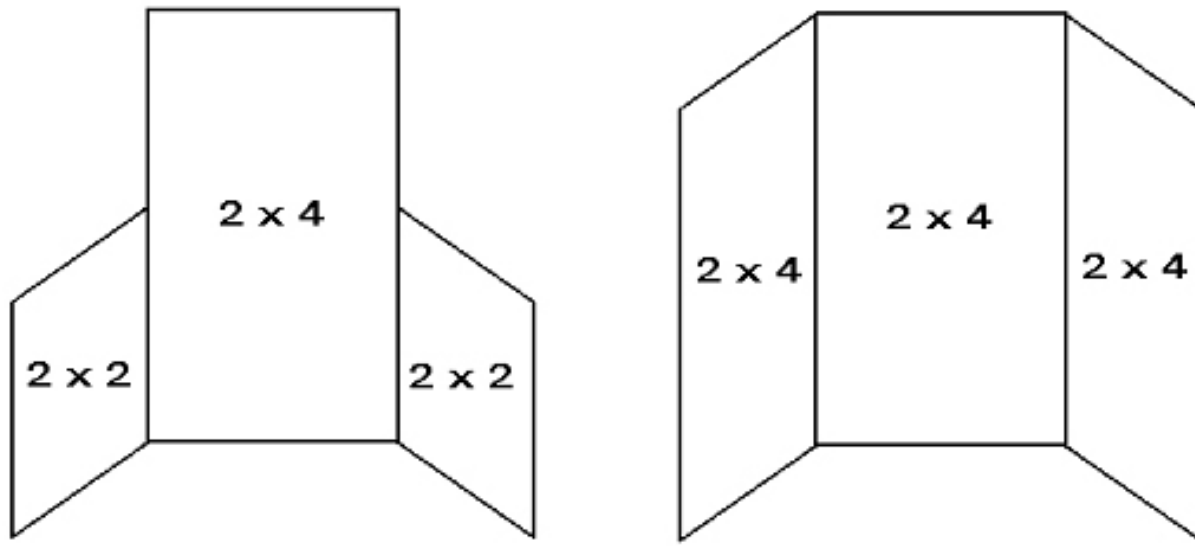
PROJECT CONSTRUCTION

Backboard: a) Usually, students use a 3-sided display.
b) Any backboard material that your school approves may be used at the United Counties Science Fair. If you win a trip to the Canada-Wide Science Fair, you will have to use a Canada-Wide Science Fair approved backboard. If necessary, this backboard will be provided by the local committee.

Display: All cloth, paper, etc. must be fastened securely to the backboard.
Only single sheets may be attached to the backboard.
Nothing may hang from the table.
No wall may be used to support or display any part of your project.

Size: Half of a 1.2m (4') by 2.4m (8') sheet of material will make a good backboard, such as the one shown on the left, below. If you need more space, the one on the right can be made from a whole sheet of material.

A table about 0.8m from the floor is provided. Your display can stand on this, or on the floor. It must stand firmly by itself, with no danger of falling.



The **entire** project must fit into a space no larger than 1.2m wide by 0.8m deep by 3.5m from the floor.

Oversized projects must be reduced by fair opening time or they will be disqualified.

Marks are given in these areas:

| | |
|-----------------------------|-----------------------------|
| Scientific thought | 45 (40 for a study project) |
| Originality/creativity | 25 |
| Understanding, presentation | 10 |
| Exhibit | 10 |
| Written report | 10 |

Information: Jason Marshall, Chairperson - School telephone 613-932-8360 - a message can be left during school hours and I will get back to you at my earliest convenience or email jason.marshall@ucdsb.on.ca.

Once a student has been registered and their project has been accepted by the judging committee of the United Counties Science Fair their parent/guardian will receive an information package which will include the rules and regulations regarding our science fair. This package will include a schedule for the two days plus a city and a St. Lawrence Intermediate School map.

Teachers who have students accepted into the fair will also receive a copy of this information package.

Please note that Public Viewing is from 8:30 a.m. until 2:00 p.m. on Saturday, April 2, 2011.

AFFILIATED WITH YOUTH SCIENCE CANADA