



# Wood Buffalo Regional Science Fair Participant Registration Form

Please submit this form only if you are unable to register online

*Registration Fee: \$25 per participant*

*Consult our website ([www.wbrsf.ca](http://www.wbrsf.ca)) for registration deadlines*

*Please print clearly*

## Participant 1

Project Title:				
Surname:		Given Name(s):		
Street Address:		City:	Province:	Postal Code:
Home Telephone:		(E-mail Address):		
Birth Date: year/month/day	Grade:	Language: <input type="radio"/> English <input type="radio"/> French		

## School

School Name:	
Name of Science Teacher:	E-mail Address or Telephone:

## Emergency Contact & Medical Information:

Name:	Relationship:
Home Telephone:	Work Telephone:
Special Health Needs:	Other Medical Conditions:



**Complete this page only if project will be jointly submitted by two students.**

**A \$25 entry fee must be included for each participant.**

*Please print clearly*

## Participant 2

Project Title:				
Surname:		Given Name:		
Street Address:		City:	Province:	Postal Code:
Home Telephone:		(E-mail Address):		
Birth Date: year/month/day	Grade:		Language: <input type="radio"/> English <input type="radio"/> French	

## School

School Name:	
Name of Science Teacher:	E-mail Address or Telephone:

## Emergency Contact & Medical Information:

Name:	Relationship:
Home Telephone:	Work Telephone:
Special Health Needs:	Other Medical Conditions:



# Project Information

<input type="checkbox"/> <b>Elementary Grade 4</b> <input type="checkbox"/> <b>Elementary Grade 5</b> <input type="checkbox"/> <b>Elementary Grade 6</b> <input type="checkbox"/> <b>Junior - Grades 7 &amp; 8</b> <input type="checkbox"/> <b>Intermediate - Grades 9 &amp; 10</b> <input type="checkbox"/> <b>Senior - Grades 11 &amp; 12</b>	Do you require electricity? <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
	Do you require any additional resources?

## Consent and Signatures

### Participant Declaration

*The following section is to be read and signed by the participant(s).*

I/We certify that:

- The preparation of this project is mainly my/our own work.
- I/We have read the WBRSF Fair Rules, Safety Regulations, and (if applicable) the Human Subject and Animal use guidelines and agree to abide by these regulations.

I/We agree that the decision of the judges will be final.

\_\_\_\_\_  
*Participant 1 Signature*

\_\_\_\_\_  
*Date Signed*

\_\_\_\_\_  
*Participant 2 Signature*

\_\_\_\_\_  
*Date Signed*

## Parent/Guardian Declaration

*The following is to be read and signed by the participant(s)' parent(s) or guardian(s).*

As a parent/guardian I give permission for my son/daughter to attend the Wood Buffalo Regional Science Fair. I certify to the best of my knowledge that the information contained in this application is correct, and the project is the work of the participant(s). I also understand that the material used in the project is the responsibility of the student and that neither the participant(s)' school, teachers, nor the Wood Buffalo Regional Science Fair can be held responsible for loss, damage, or theft, however caused. I further understand that all exhibits must be left on display until the end of the Fair and must be removed from the Syncrude Sport & Wellness Centre at 2:00pm on the final day of the Fair. I have read the WBRSF Fair Rules, Safety Regulations, and (if applicable) the Human Subject and Animal Use Guidelines and understand that participants/projects will be disqualified if these guidelines are not followed.

I consent to the unrestricted use of biographical information (name, age, grade, school), photographs, and visual or audio recordings of my son/daughter by the Wood Buffalo Youth Science Foundation, and affiliates and sponsors of the Wood Buffalo Regional Science Fair. I acknowledge and consent that these materials, as well as a description of the participant(s)' project, may be distributed to local media (television, radio, or print) or displayed in newsletters and websites.

I acknowledge that parents are not permitted to attend the Fair on judging day unless they are registered as Fair judges or volunteers. I agree that the decision of the judges will be final.

If my son/daughter is awarded the honour of having his/her project chosen for presentation at the Canada-Wide Science Fair, I consent to having him/her journey to the Fair, and will not hold the Wood Buffalo Regional Science Fair or the Wood Buffalo Youth Science Foundation responsible for any accident or mishap to the student or the exhibit. (Please note that only participants in grades 7-12 are eligible to proceed to the Canada-Wide Science Fair).

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*Parent or Guardian Signature*

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*Date Signed*

## Teacher Declaration

*The following section is to be read and signed by the participant's teacher or school science fair organizer. (If the participant is home-schooled, this section must be signed by a local science teacher or a member of the WBYSF Board of Directors).*

I certify that:

- The preparation of this project is mainly the student(s)' own work.
- The participants have read the WBRSF Fair Rules and agree to abide by them.
- The project meets the requirements outlined in the WBRSF Fair Rules and Safety Regulations.
- If the participants have performed research with human subjects, animals, recombinant DNA or potential pathogens, they have received approval to do so from the Wood Buffalo Regional Science Fair Safety and Ethics Committee and this approval was received before the participants began their project.

I understand that participants/projects will be disqualified if the above requirements are not met. I agree that the decision of the judges will be final.

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*Teacher Signature*

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*Date Signed*

# FAIR RULES

**MUST BE READ BY PARTICIPANTS, PARENTS, AND TEACHERS PRIOR TO REGISTRATION**

## ELEGIBILITY

1. Students from grades four through twelve are eligible to participate.
2. Only students in grades seven through twelve are eligible to proceed to the Canada-Wide Science Fair.
3. A project may be worked on and submitted by a maximum of two students. For project entries submitted by students of different grades, the age division of the most senior student will be used for judging purposes.
4. A participant may not present more than one exhibit each year, nor display an identical project from a previous or concurrent regional science fair. Students can exhibit projects that expand upon research they have presented at previous regional fairs, but they will be judged only on the new material.
5. Students that participate in a school fair are eligible to register a project in the WBRSF only if they are chosen to represent their school. Students must first participate in a school fair if they are able to do so. If a student is unable to participate in an organized school fair they may register to enter the WBRSF directly.

## GENERAL RULES

1. Students must attend the full two days of the Fair and must remain at their project at all times during judging and public viewing unless otherwise instructed. Exhibits must be left on display until the end of the Fair.
2. The project is the responsibility of the student and the Wood Buffalo Regional Science Fair cannot be held responsible for loss, damage, or theft, however caused. The exhibit should be constructed such that valuable components can be removed for safekeeping when the exhibit is unsupervised.
3. Only participants, judges, and WBRSF volunteers are permitted to attend the Fair on judging day.
4. Projects involving research with animals or human subjects must be approved by the WBRSF Safety and Ethics Committee BEFORE such research is undertaken. Informed Consent Forms must be signed by all human subjects and these forms must be kept in a logbook accompanying the project. Projects on display which do not conform to the WBRSF safety and ethics guidelines will be immediately disqualified.
5. Electricity will only be supplied to an exhibitor if it is essential for the operation of their project. Participants requiring electricity must provide their own extension cord. Only one outlet will be supplied per project.
6. Continuous running water and/or natural gas will not be supplied to projects.
7. Flammable, toxic, or otherwise hazardous materials are not permitted at the fair (see Safety Regulations).
8. Exhibits, including all accessories, must be confined to a table or floor space and may not exceed 0.8 metres, front to back; 1.2 metres side to side; and 3.5 metres maximum height from the floor.
9. Exhibit backboards must be constructed of non-flammable materials (the CWSF allows only the following: wood and dimensional lumber at least 6 millimetres thick, metal, "Sintra", "InteFoam", "Intecel", "Flame Out", plexiglass/acrylic, and other UL-94 approved synthetic materials).
10. The decision of the WBRSF Judging Committee is final and may not be contested.

## CODE OF CONDUCT

1. Participants will, at all times, respect all public and private property and the rights of other participants.
2. When requested, participants will wear an identification badge and/or WBRSF T-shirt.
3. Participants must dress appropriately (in accordance with their school's dress code).
4. Project areas must be kept tidy and any spills or messes must be cleaned up immediately.
5. Students must respect their peers by remaining as quiet as possible during the judging period.
6. Participants that do not behave in an appropriate manner or in any way violate the Code of Conduct will be disqualified and ejected from the event. The violator forfeits his or her right to attend and participate in Science Fair events. Proper notification of the violation and action taken will be sent to the school along with copies to the Board(s) of Education. Copies will also be sent to the student's parents or guardians.
7. Participants will be asked to write a short thank-you letter to one of the WBRSF sponsors.

## MEDIA CONSENT

Participants and their parents must consent to the unrestricted use of biographical information (name, age, grade, and school only), photographs, and visual or audio recordings of the participant by the Wood Buffalo Youth Science Foundation, and affiliates and sponsors of the Wood Buffalo Regional Science Fair. These materials, as well as a description of the participant's project, may be distributed to local media (television, radio, or print) or displayed in newsletters and websites. Personal and contact information will not be released.



# SAFETY REGULATIONS

**MUST BE READ BY PARTICIPANTS, PARENTS, AND TEACHERS PRIOR TO REGISTRATION**

**ALL PROJECTS WILL BE INSPECTED PRIOR TO, AND DURING, THE FAIR. ANY PROJECT THAT VIOLATES ANY OF THE FOLLOWING REGULATIONS WILL BE IMMEDIATELY DISQUALIFIED.**

## GENERAL SAFETY

1. The exhibit itself must be sturdy, self-supported and not easily tipped over.
2. All sharp edges or corners on mirrors, enclosures, glass and metal plates etc must be removed or covered. Projects should be constructed in such a way that there are no protruding sharp wires, screws, nails, etc.
3. Dangerous moving parts (belts, pulleys, gears, etc.) must be covered by a safety guard.
4. Aisles must not be obstructed and must be kept clear of hoses, extension cords, ropes, personal belongings, etc.
5. Moving exhibits should be restricted to the display space unless permission is granted for demonstrations.
6. Compressed gas cylinders (including aerosol cans, empty or full) must not be displayed.

## FIRE SAFETY

1. Highly flammable materials must not be exhibited (i.e. gasoline, matches, butane lighters, sulphur, etc.).
2. Flames of any sort (covered or exposed) are not allowed in the exhibit area at any time!
3. Combustible material must not be used near a heat source. Hot plates/heating elements must not be operated.

## CHEMICAL SAFETY

1. Toxic, flammable, or corrosive chemicals shall not be exhibited. Strong dyes and stains should not be exhibited.
2. Potentially dangerous chemicals must not be displayed (this includes prescription and non-prescription drugs)
3. For the purposes of demonstration or display, safe look-a-like substitutes should be used (i.e. salt, water etc.).

## ELECTRICAL SAFETY

1. Use the lowest voltage possible.
2. Switches and cell or battery fed circuits must be safe in design and operation.
3. Use only CSA approved appliances and undamaged extension cords with grounded 3-prong plugs.
3. AC (120 volt, 60 cycle), from a GFCI-protected outlet will be the only power source supplied by the WBRSF.
4. Exposed live wires and circuit boards must be enclosed so as not to endanger the public and the enclosure must not present a fire hazard. All metal parts which are not intended to conduct current must be grounded.
5. Where practical, a light should be installed to indicate on/off.
6. Lasers may be displayed, but shall not be operated or connected to a power source.

## BIOLOGICAL SAFETY

1. Live animals, animal parts or tissues (except prepared slides) and microbiological cultures must not be displayed.
2. Any project that involves the observation of, or experimentation on, animals (or animal tissue samples or cells), humans, animal viruses, potential pathogens, recombinant DNA or human DNA must be properly supervised and approved by the WBRSF Safety and Ethics Committee **BEFORE** the project commences.
3. The use of biological agents, human tissues, blood, urine, feces, mucus, semen, hair, teeth etc. is forbidden, except in the case of Senior students working under the supervision of a qualified person. Projects must be approved by the WBRSF Ethics Committee **BEFORE** the project commences.
4. "Informed Consent" forms must be signed by all human volunteers participating in surveys, studies, and experiments. Completed forms should be stored in the project's log book and must be available upon request.

## RADIATION SAFETY

1. Radioactive materials and radiation producing equipment must not be displayed.
2. Experiments involving work with radioactive materials or radiation producing equipment must be performed in accordance with all provincial and federal guidelines and under the supervision of a qualified person.

## FIREARMS, HAZARDOUS EQUIPMENT AND VOLATILE MATERIAL SAFETY

1. Participants are permitted to conduct research involving hazardous equipment, hazardous materials, and firearms only if they adhere to federal and provincial regulations and guidelines. Firearms (including air rifles and replicas) and other weapons (crossbows, slingshots, etc.) must not be exhibited or brought to the fair.
2. The use of hazardous equipment, explosives, firearms and dangerous goods requires proper supervision by a qualified professionally trained person and must be approved by the WBRSF Safety and Ethics Committee **BEFORE** the project commences. The supervisor will be asked to present their credentials.
3. Hazardous equipment or materials (explosive, flammable, toxic or volatile) must not be exhibited.



# HUMAN SUBJECT AND ANIMAL USE GUIDELINES

**MUST BE READ BY PARTICIPANTS, PARENTS, AND TEACHERS PRIOR TO REGISTRATION**

Please note that experiments and studies performed on organisms which lack nervous tissue (plants, fungi, bacteria, protists and sponges) and microscopic invertebrates do **NOT** require approval from the WBRSF Safety and Ethics Committee unless these organisms are potentially pathogenic or contain recombinant DNA. Participants which undertake projects which involve the use of recombinant DNA, the use of potentially pathogenic organisms, or experimentation on macroscopic animals must complete an “Application to Perform Research with DNA, Biological Agents, or Animals” and receive approval to proceed **BEFORE** beginning their project. Participants that perform experiments or studies using human subjects must complete an “Application to Perform Research with Human Subjects” and receive approval to proceed **BEFORE** beginning their project.

All projects involving live animals or humans must have scientific merit, educational value, and avoid gratuitous harm. Every effort must be taken to limit or avoid injury or distress to animals. Students should refer to the ethical guidelines developed by the Canadian Council on Animal Care (<http://www.ccac.ca>) and Youth Science Canada ([www.ysf.ca](http://www.ysf.ca)). Research done by pre-university students is subject to the Health of Animals Act (Bill C\_66); the Criminal Code of Canada, Section 446, Cruelty to Animals; and the Alberta Animal Protection Act. Work with human cells, tissues, or fluids, pathogenic organisms, animal viruses, or experiments in which vertebrate animals are physically or emotionally/psychologically distressed or injured may only be performed at a college, university, hospital or recognized research institution under the direct supervision of a qualified person.

## INVERTEBRATES

**Approval is NOT required from the WBRSF Safety and Ethics Committee for the following types of projects:**

1. Experiments and studies performed on microscopic invertebrates.
2. Observational studies which take place in a natural setting (or simulated natural setting) in which the animal is not threatened or disturbed. Animals kept in enclosures must be well cared for and not exposed to conditions which might cause distress, injury, or death.

**Approval IS required from the WBRSF Safety and Ethics Committee for the following types of projects:**

1. Experiments performed on macroscopic invertebrates involving the manipulation of the environment or the provision of a positive reward system (training an animal to navigate a maze for instance). The animal is not exposed to conditions which might cause distress, injury, or death.
2. Experiments performed on macroscopic invertebrates in which the animal may be harmed. Every precaution must be taken to limit distress, injury, or death. Experiments of this sort may only be conducted by Junior and Senior level students under the guidance of an appropriate adult supervisor.

**Note:** Due to their well-developed vertebrate-like central nervous system, cephalopods (squid, octopus or cuttlefish) shall be treated following the regulations in place for vertebrate animals.

## NON - HUMAN VERTEBRATES

Approval is **NOT** required from the WBRSF Safety and Ethics Committee for observational studies of non-endangered species in natural settings where the animal is not threatened or disturbed in any way (for instance, the observation of birds at a bird feeder) or the observation of normal behaviours in household pets.

**ALL OTHER PROJECTS MUST BE APPROVED BY THE WBRSF SAFETY AND ETHICS COMMITTEE**

Only Senior students will be permitted to perform research that causes injury or distress to vertebrates. This research must be done under the close supervision of a qualified researcher.

## HUMANS

**ALL PROJECTS WHICH INCLUDE THE USE OF HUMAN SUBJECTS (EXPERIMENTS, STUDIES AND SURVEYS) MUST BE APPROVED BY THE WBRSF SAFETY AND ETHICS COMMITTEE**

Subjects must understand that their participation is voluntary, they must agree to any specific disclosure of personal information that may be required, and they must be made fully aware of, and consent to, any risks that may be involved. The identity of the subjects should only be known to the researcher(s) and must not be identified on the data presented in the project. The researcher(s) must ensure that the participating subjects and the researcher(s) are subjected to minimal risks to their physical and/or psychological well being.