

# Rule Changes for 2010

## Participation of Humans

1. Ingestion projects are not allowed at the CWSF, unless carried out under professional supervision at a laboratory licensed to carry out such studies. These are projects in which humans are required to consume an item. Some measurements are then made. This complete ban has been instituted because there are rare cases of serious side effects from ingesting substances, including fatal interactions occurring between such items and other medications being taken by the Participant. [see complete details](#)

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## Make sure your project is safe and ethical

Before you start a project, it's important to know the rules - especially if you're thinking of using animals, human subjects, hazardous equipment or materials, recombinant DNA or other biotechnological materials. (By the way, animals include pets and livestock and humans include family members and students in your class or school.) It's heartbreaking to have your project disqualified at the regional or Canada-Wide Science Fair because you broke the rules - or maybe even the law! **Check the rules BEFORE you start!**

## Use of Human Subjects

Science fairs often include excellent projects involving human research participants. These projects are usually based in the social and behavioural sciences such as psychology, sociology, and education, and in related health sciences such as physiology, kinesiology and nursing.

Human participants must be assured that they are safe, that they are treated with respect and dignity, and that the information they provide will be kept confidential

If your project involves human participants please refer to the CWSF document [Use of Human Subjects](#) and follow the rules therein.

## Use of Animals (Vertebrates and Invertebrates)

Many science fair projects involve experimentation with animals. Such studies can lead students to respect all living things and to educate students on the laws, regulations, and procedures that govern experimental research involving animals.

While student investigations of biological processes are to be encouraged, they are subject to the same laws, ethics, and regulations as any other research.

If your project involves animals please refer to the CWSF document [Use of Animals \(Vertebrates and Invertebrates\)](#) and follow the rules therein.

## **Hazardous Materials, Equipment and Firearms**

Science fairs allow students to conduct research involving hazardous materials, equipment and firearms as long as they adhere to federal and provincial/territorial regulations and guidelines that are designed to protect the safety of the researchers.

Any experimental design involving firearms, and/or hazardous devices, must be approved by YSF or the PRSF Ethics Committee to ensure compliance with regulations and restrictions. If necessary the PRSF may refer the project to the authorities cognizant of current regulations. Use of hazardous equipment, dangerous goods, explosives and firearms requires proper supervision by an Adult Supervisor.

If your project includes the use of hazardous equipment, dangerous goods, explosives and firearms, please refer to the CWSF document [Use of Hazardous Equipment and Materials](#) and follow the rules therein.

## **Recombinant DNA and Biotechnological Safety**

Projects involving the manipulation of recombinant DNA molecules or animal viruses are allowed if conducted under qualified supervision. Evidence of this supervision, including the supervisor's name, institution, and qualifications must be included in the "CWSF Supervisor" form and must be available at all times during the fair.

If your project involves the manipulation of recombinant DNA molecules or animal viruses, please refer to the CWSF document [Recombinant DNA and Biotechnological Safety](#) and follow the rules therein.