



CALGARY YOUTH SCIENCE FAIR

SAFETY REGULATIONS

MUST BE READ AND UNDERSTOOD BY STUDENTS, PARENTS AND COORDINATORS.

GENERAL SAFETY

1. Caution should be taken with all sharp edges or corners on prisms, mirrors, enclosures, glass and metal which can be made safer with appropriate covering.
3. Dangerous moving parts (belts, pulleys, gears etc.) should be guarded and sharp edges covered.

FIRE SAFETY

1. Highly inflammable materials (i.e. gasoline, matches, sulphur etc.) must be used with appropriate adult supervision.

CHEMICAL SAFETY

1. Toxic, flammable, or corrosive chemicals used in a project should be discussed with the Coordinator prior to their use in the project.

ELECTRICAL SAFETY

1. Use the lowest voltage possible.
2. Use only CSA approved appliances and extension cords, with a grounded 3 prong plug. The cords must be in good condition.
3. All non-current-carrying metal parts must be grounded.
4. Where practical, a pilot light should be installed to indicate on/off.
5. Lasers may be used in a project with appropriate caution.

BIOLOGICAL SAFETY

1. Use of live animals or microbiological cultures must follow guidelines available at cysf.org.
2. Any project that involves observation of or experimentation on an animal (or animal tissue samples) or humans must meet the "GUIDELINES FOR THE USE OF HUMAN SUBJECTS AND ANIMALS".
3. The use of human tissues, blood, saliva, urine, feces, mucus, semen, teeth etc. is absolutely forbidden (see possible exception for grade 10-12 students under guidelines for use of human subjects and animals).
4. Projects using human beings as subjects in their studies must use the "INFORMED CONSENT FORM" with their subjects. Completed forms should be stored in the project's log book.

RADIATION SAFETY

1. Experiments working with radioactive materials or radiation-producing equipment must follow the regulations established by the RADIATION HEALTH BRANCH (Occupational Health and Safety, Government of Alberta, Edmonton).