

SAFETY RULES AND REGULATIONS

Certain basic restrictions must be followed to ensure the safety of all science fair participants, judges and visitors.

GENERAL SAFETY

- Any potentially hazardous elements of an exhibit should be shielded and posed with warning signs. Such elements may be displayed during the judging period only and not left unattended by the participant(s).
- Remove or otherwise protect all sharp edges or corners on prisms, mirrors, enclosures, glass and metal plates.
- Lengths of hoses or extension cords must be kept to a minimum and out of the way to eliminate tripping hazards. Use tape to secure them.
- Aisles and exits must not be obstructed.
- Syringes, pipettes, and similar devices are PROHIBITED.
- Exhibits must be sturdy and self-supporting; adjacent walls may not be used for support.

FOOD AND TISSUE

- The display of live animals (vertebrate and invertebrate) is PROHIBITED.
- The display of animal parts (vertebrate and invertebrate) is PROHIBITED.
- The display of human parts (tissue slides, teeth, hair, etc) is PROHIBITED.
- Food (ex. fruit, vegetables, etc.) which can decompose or decay is not permitted to be displayed.
- Food that may be subject to allergy concerns is PROHIBITED.
- Disease-causing organisms are PROHIBITED.
- Gratuitous, sensational, or macabre images are not permitted to be on display.

PLANTS

- No plants, plant tissues, leaves, or soils are permitted due to the potential of cross-contamination.

FIRE SAFETY

- Devices capable of producing temperatures in excess of 100 degrees Celsius are PROHIBITED.
- Low voltage light bulbs are acceptable.
- Papers on display boards should be firmly attached.
- The use of Styrofoam should be avoided.
- Packing materials must not be stored in the exhibit hall/rooms.

CHEMICALS

- Toxic or flammable chemicals are PROHIBITED.
- Dangerous chemicals, including prescription drugs, kitchen and laundry supplies are PROHIBITED from being displayed, however, you may display EMPTY containers only.
- No liquids are allowed to be displayed.
- PROHIBITED materials include, and are not limited to, sewage samples, sludge, petroleum products.

ELECTRICAL AND X-RAY

- 110-volt AC, single phase service will be available.

- Exhibits should keep voltage as low as possible.
- All electrical connections should be disconnected when the student leaves the exhibit.
- Only properly grounded extension cords in good repair and with CSA approval may be used. It is the responsibility of the participant(s) to supply such extension cords.
- Where practical, it is recommended that pilot lights be used to indicate when voltage is on.
- Cord connected electrical appliances should have a 3-prong conductor wire with ground.
- Electrical devices must be protectively enclosed as far as is possible.
- The enclosure must be non-combustible.
- No exposed live parts over 35 volts are allowed.
- Bare wire and exposed knife switches may be used only on circuits of 12 volts or less; otherwise standard enclosed switches are required.
- Electrical connections in 110-volt circuits must be soldered or fixed under approved connectors and connecting wires properly insulated.
- In the case of exhibits featuring equipment capable of emitting radiation, the following are necessary: (a) equipment must be registered with the Provincial Government; (b) submission of plans for structural protections to the Provincial Government and a request for approval must be made by the exhibitor who must have the approval certification on hand at the Fair.

LASERS

- All lasers are PROHIBITED from being displayed at the Fair. This includes laser pointers.

MICROORGANISMS AND BIOHAZARDS

The following hazardous biological materials are not permitted to be displayed:

- Radioisotopes or compounds containing radioisotopes.
- Biological toxins.
- Microorganisms (the use of mixed cultures obtained from the environment – ex. soils, mouth swabs, etc. – is acceptable for experimentation, but not for display).
- No cell cultures are allowed for exhibition.

HAZARDOUS MATERIALS, PRESSURE SYSTEMS, AND EXPLOSIVES

- Air/hydraulic pressure systems must be non operational and open to the atmosphere if displayed.
- Pressurized tanks, canisters, or gas cylinders are PROHIBITED from being displayed.
- Firearms and explosives are PROHIBITED from being displayed (mock-ups may be used instead).