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Safety

Youth Science Canada promotes the concept that safety is a component of every STEM project. It is the responsibility of the student and their adult supervisor, to consider all safety aspects of the project, and to ensure that best practises are followed. Hammers, screwdrivers, table saws and some lasers are examples of useful tools that can cause injury if used improperly.

Serious safety issues may lead to disqualification at either a Regional STEM Fair or the Canada-Wide Science Fair. This may occur if the project puts the student or others in danger of injury, or if the project was conducted without appropriate safety precautions and supervision. For example, a student builds a high pressure vessel in their basement. High pressure vessels must be certified by a professional engineer before they are operated, and the engineer is legally required to report violations.

Youth Science Canada encourages all students, their adult supervisors, and Regional STEM Fairs to develop a strong safety culture to ensure that no one is ever harmed as a result of a STEM project.