

# Basic Shop Safety

- Have students write a report on a particular subject in basic shop safety. Topics could include eye protection, hearing protection, flammable materials and forklifts.
- Have an official from the local fire department or EMS discuss First Response procedures.
- Choose a chemical and show students how to fill out a MSDS for that chemical. Spend class time reading MSDSs. Have students quiz each other on individual MSDS.
- Appoint students as daily safety monitors on a rotating basis.
- Contact a local safety equipment supply company and arrange to have a lecture and demonstration on personal protective equipment.
- Arrange with school and medical personnel to have a mock accident to which students respond.

# Basic Shop Safety

## Safety

the condition of being safe from risk or danger

## Accidents

leading cause of death and injury for persons one to 37 years of age

## Personal Protective Equipment (PPE)

devices or equipment worn by students, teachers, employees working in a potentially dangerous area

## Decibel

a unit for expressing the ratio of two amounts of electric or acoustic signal power equal to 10 times the common logarithm of this ratio

## Pinch Points

sharp edges on tools

## Ground Fault

large conducting body (as the earth) used as a common return for an electric circuit and as an arbitrary zero of potential

## Welding Clothes

clothing with natural fibers such as wool or cotton; should be flame resistant

## Safety Glasses

glasses or goggles worn to protect eyes from injury

## Material Safety Data Sheet (MSDS)

lists cautions, hazards, protection equipment to wear and first aid procedures

## Eyewash Fountain

fountain used to flush the eyes when the eyes come in contact with foreign/hazardous material