

Safety Considerations

General Safety Guidelines

- **Always wear safety glasses** to protect your eyes. Note that normal glasses, while usually made of impact-resistant plastic, will not afford sufficient protection from shrapnel or flying debris.
- **Always wear close-toed shoes** to protect your feet from heavy or sharp objects which might be dropped.
- **Avoid wearing loose-fitting clothing** which can become caught in moving parts of the robot or whatever machinery you may need to use during the construction of the robot.
- **If you have long hair**, keep it tied back or under a hat to avoid it becoming caught in moving parts.
- **Do not wear gloves when operating machinery** (e.g. drill press or belt grinder), as gloves may become snagged and drag your hand into the machinery.
- **The kit contains small parts.** Do not ingest. Do not insert into any orifice (e.g. nostrils).
- **NO HORSEPLAY**

Safety Considerations, continued

Subsystem-Specific Safety Guidelines

- **Structure**

- Contains metal parts.
Cutting or excessive bending can cause parts to break, resulting in sharp edges which can cut skin.

- **Motion**

When system is powered, keep fingers, tools, hair, and all other body parts away from gears, wheels, etc. Even plastic parts can painfully pinch, cut, or crush.

- **Power**

- Battery use
Do not lick batteries.

If battery appears to be leaking or has a crystalline deposit on the outside, dispose of it immediately (wear gloves when handling, preferably nitrile or other non-reactive material).

Do not run a wire between a battery's terminals, as wire will get very hot, and the battery could be irreparably damaged or explode.

- Battery disposal
Do not throw batteries into the trash, especially rechargeable batteries.

Contact your local waste disposal office for information on battery disposal. Batteries should be stored as directed by your local hazardous materials disposal office until pickup (usually in a hard-sided, waterproof, non-conductive container, e.g. a plastic bucket).

- **Logic**

Contains small parts. Do not ingest or insert into nostrils, ears, etc.

- **Sensors**

Contains small parts. Do not ingest or insert into nostrils, ears, etc.

- **Radio**

- Batteries: see Power section
- Mechanical: do not insert antenna into any orifice