

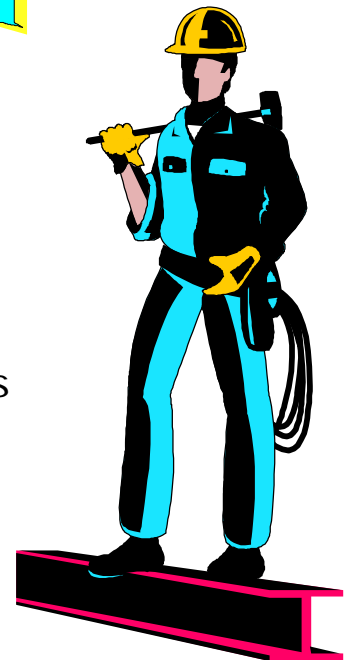
# Earthquake

Construction Day 2



# Situation

In areas where earthquakes are common, builders try to design buildings that can withstand the powerful shaking. In Japan and California, builders have come close, but no one has designed a building that is earthquake proof.



# Problem

Your team must make a model building that can withstand the shaking of an earthquake. Use only the materials provided.



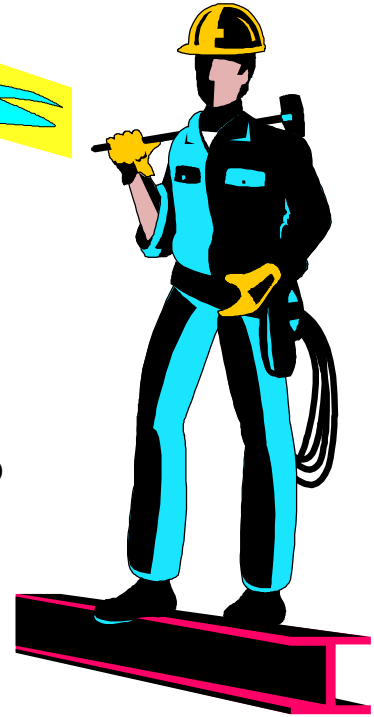
# Objectives

Students will use creativity and problem solving to build an earthquake resistant building.



# Materials

- 1 Lego Technic 1031 kit per group
- 1 set of Lego Technic resource cards per group



# Requirements

Your grade will be based on the following performance:

- \*Your building must have a stable foundation.
- \*Your building needs to be at least 6 inches tall.
- \*The top of your building should sway or move when it is lightly shaken.
- \*No parts should fall off of your building when it is lightly shaken.

- A = all requirements included in design
- B = 1 requirement missing from design
- C = 2 requirements missing from design
- D = 3 requirements missing from design
- F = no building presented

