



# EPPro8 Challenge

Engineer Problem Solve Innovate

## Crane – Teacher’s Notes

### Summary

Teams will construct a crane. They will make the structure strong using bracing and work with pulleys, counterweights and mechanisms to make then crane fully operational.

### Principles

Measurements, Structures, Pulleys, Counterweights.

### Extra Equipment

2kg and 1kg weight.

If you don't have a set of weights in your school then see the "additional resources" page at [www.eppro8challenge.co.nz/SchoolActivities](http://www.eppro8challenge.co.nz/SchoolActivities) for how to easily make your own using recycled equipment.

### What to Aim For

See the "Getting the Most from your Equipment" document for guidelines on what to aim for from these challenges.

Check the students structures to make sure it doesn't bend when pushed sideways at the top. You can stand on the base to secure it.

### Our Solution

