



EPPro8 Challenge

Engineer Problem Solve Innovate

Air Freight - Teachers Notes

Summary

Teams will construct a set of scales. They will use the scales to determine the weight of various objects and use practical maths to calculate how much it will cost to airfreight these items.

Principles

Measurements, leverage, practical mathematics.

Extra Equipment

1kg, 500g and 2 x 200g and 100g weights. If you don't have a set of weights in your school then see the "additional resources" page at www.epro8challenge.co.nz/SchoolActivities for how to easily make your own using recycled equipment

DO NOT include the 2kg weight.

A plastic bag.

Calculator.

What to Aim For

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

For the balance to work the weights on each side of the balance arm must be attached at a fixed point (ie not spread out).

Our Solution

