



EPPro8 Challenge

Engineer Problem Solve Innovate

Bridge – Teacher’s Notes

Summary

Teams will construct a bridge to span an imaginary river. They will brace it to make it rigid, build a test vehicle that can cross the “river” and put traffic lights on either end of the bridge.

Principles

Structures, Bracing, Measurement.

Extra Equipment

2kg weight.

Corrugated cardboard boxes

Scissors

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 measurements carefully. In particular teams will often build a bridge 700mm tall when the challenge says that a 700mm tall object must be able to fit under the bridge (so it has to be taller than 700mm).

Our Solution

