



EPPro8 Challenge

Engineer Problem Solve Innovate

Storm Proof Dog Kennel – Teacher’s Notes

Summary

Teams will construct a basic building, on stilts, with a roof. They will brace it so it can withstand a strong wind.

Principles

Structures, Bracing, Measurement, Electronics, Leverage.

Extra Equipment

Corrugated cardboard boxes

Scissors

Balloon

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 teams measurements carefully.

For the waterproofing part, teams will often build a roof that is exactly the same size as the floor below. Demonstrate with wing nuts (to represent water droplets) that water can land on the floor.

Our Solution

