



EPPro8 Challenge

Engineer Problem Solve Innovate

Ball Sorting – Teacher's Notes

Summary

Teams will construct a marble-run style contraption that will sort balls based on size, weight and shape.

Principles

Problem solving, Weights, Measurements, Electronics.

Extra Equipment

Tennis ball (diameter approx 65mm).

Golf ball (diameter approx 47mm).

Softball (diameter approx 85mm).

Petanque ball (heavy).

Shuttlecock.

200g weight.

5 boxes or containers (eg shoe boxes or icecream containers).

What to Aim For

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

The solution for this challenge is a marble run contraption, where the gap between the tracks varies, allowing balls of different size to fall through the gap in the tracks.

Our Solution

