



EPPro8 Challenge

Engineer Problem Solve Innovate

Rowing Machine – Teacher’s Notes

Summary

Teams will work with different combinations of pulleys to build a rowing machine that requires different amounts of force.

Principles

Pulleys, Measurement, Forces, Practical Mathematics.

Extra Equipment

2kg weight (or 2L bottle of water)

Rubber Bands

What to Aim For

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

You may need to explain pulley theory to your students. If this is new to you, it is explained in the tutorial for this challenge.

Our Solution

