



EPPro8 Challenge

Engineer Problem Solve Innovate

Fishing Rod – Teacher's Notes

Summary

Teams will build a fishing rod contraption, including a gearbox to wind the rope in ultra-fast.

The rod will automatically detect when fish have been caught and wind the fish in. The fish are automatically counted to check if the catch limit has been reached.

Principles

Structure, Ropes and Pulleys, Mechanics, Electronics.

Extra Equipment

Rubberbands (size 64)

What to Aim For

This challenge uses a gearbox. There is a separate challenge that describes how to build a gearbox. Teams may wish to complete this challenge first.

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

Our Solution

