

EPPro8 Challenge

Engineer Problem Solve Innovate

Secret Agent – Teacher's Notes

Summary

Teams will construct a mechanical and electrical Morse Code system, develop a form of Morse Code, and use this to transmit "Spy Messages".

Principles

Patterns, Electronics, Problem Solving, Communication.

Extra Equipment

Rubber Bands

Torch

Two devices

Empty tin can



If you are using the EPro8 Electronics Starter Kit, then for the extra-long telegraph cable activity you will

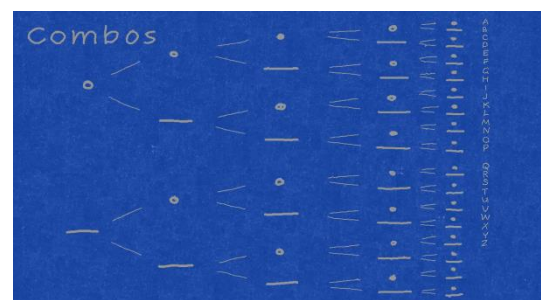
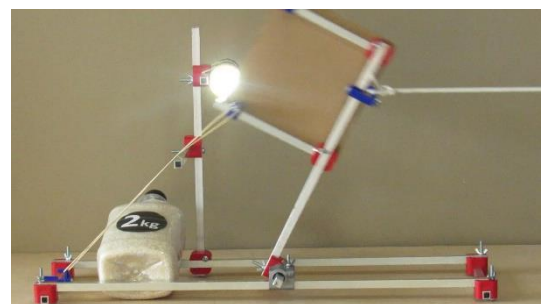
require 10m of 2 core speaker cable.

This is available from hardware stores.

Strip the ends of this cable to expose the

copper,

Our Solution



What to Aim For

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

Examples of seven letter words you could use are:

- VOYAGER
- CAUTION
- CAPTAIN
- FOREIGN
- ENEMIES
- VICTORY
- WARNING
- SECRETS