



EPPro8 Challenge

Engineer Problem Solve Innovate

Solar Power Station – Teacher’s Notes

Summary

Teams will build a contraption that tracks a torch as it moves above.

Note: we are simplifying the sun’s movement, by assuming it moves directly overhead.

Principles

Structure, Mechanics, Electronics, Angles

Extra Equipment

Torch (can use the light from the electronics, but it visually looks better having it controlled by a light that is not attached)

Compass (optional)

Cardboard to make a tube – preferably dark colour.

What to Aim For

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