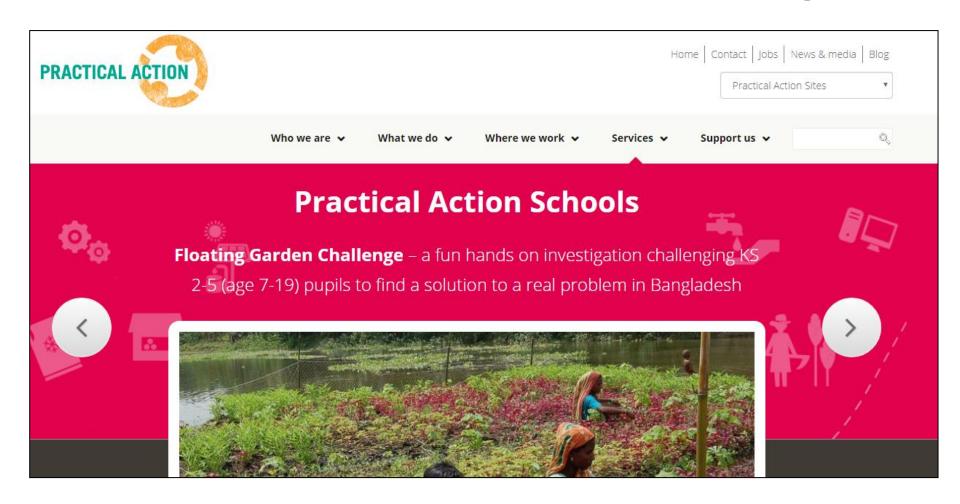
Practical Action STEM Challenges



practicalaction.org/schools

Eco-Schools



Eco-Schools is a global programme engaging millions of children across 64 countries. The Eco-Schools Programme is pupil-led; involves hands-on, real-world learning and gets the whole school and the wider community involved in exciting environmental projects Formore information go to Eco-schools

Many of Practical Action's resources can be used to support the Eco-Schools topics, especially Global citizenship energy, water, waste, healthy living, school grounds and transport.

To be awared the Eco schools green flag pupils are required to show how the work they have done links to the curriculum. Using Practical Action's resources will not only engage pupils but clearly demonstate many of these links, with a particular emphasis on science and design and technology.



Global Citizenship

Activities and resources to support pupils' work on the topic of global citizenship.



School Grounds

Read more

Activities and resources to support pupils' work on the topic of school grounds.



Transport

Activities and resources to support pupils' work on the topic of transport.

Read more



Healthy Living

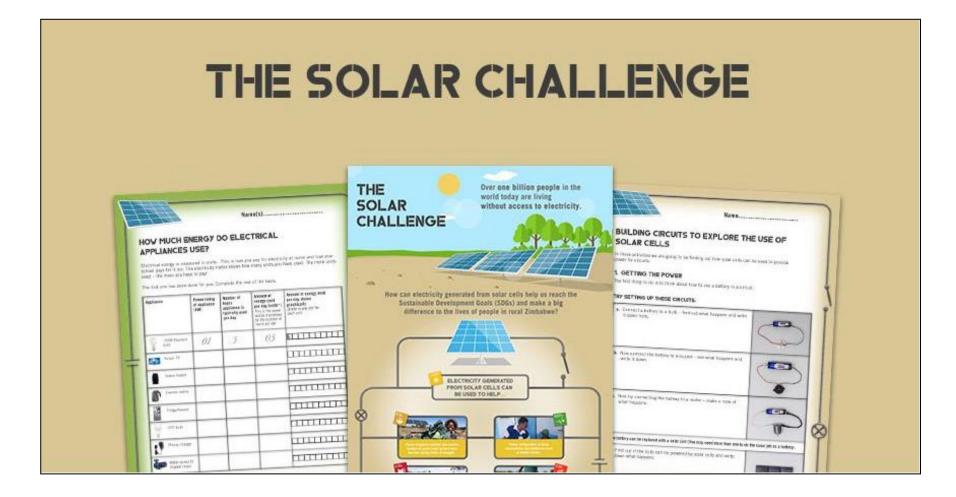
Activities and resources to support pupils' work on the topic of healthy living.

Popular challenges









- Set in rural southern Zimbabwe
- Pupils investigate different circuits which include solar cells



Teacher's Guide

A guide to help teachers run the Solar Challenge and Off-Grid! Design competition.

Download (3.29MB)



Pupil activity sheets - Primary

All the activity sheets needed for primary pupils aged 8-11 to enjoy the Solar Challenge

Download (5.46MB)



Certificates - Well Done

Certificates to award your pupils for taking part in the Solar Challenge.

Download (118KB)



Poster

An engaging downloadable version of the Solar Challenge poster.

Download (1.33MB)



PowerPoint

A presentation to support teachers run the Solar Challenge and Off-Grid! Design Competition.

Download (12.99MB)



Pupil activity sheets - secondary

All the activity sheets for pupils aged 11-14 years to enjoy the Solar Challenge.

Download (5.52MB)



Certificates - Congratulations

Certificates to award the team who best met the challenge criteria.

Download (128KB)

THE SOLAR CHALLENGE

OFF-GRID!

Running until June 2019, our Off-Grid! Design Competition is an exciting opportunity for young people aged 8-14 years to extend their work on The Solar Challenge.

Eligibility: Schools and pupils in the UK are welcome to enter. We are happy to accept entries from children who are not in a formal school setting and from children taking part in youth groups.

Age categories: There are two age categories. Primary pupils (aged 8-11years) and secondary pupils (aged 11-14 years). Pupils can enter individually or in a teams of up to four pupils. Please note that due to GDPR we cannot store pupils' names so pupils should enter using a team name or a pseudonym.

Prizes: Practical Action will award the winning primary school and secondary school a £100 worth of STEM kit from TTS. Each pupil(s) in the winning team will receive a £10 voucher and a STEM book.