



Think Kit Competition

**CAN YOU HELP IGNITE THAT FIRST SPARK OF INTRIGUE
WITHIN THE FUTURE LEADERS OF OUR BUILT ENVIRONMENT?**

Engineering plays a vital role in the economic, environmental and societal wellbeing of the UK, and globe. The need to rebalance this 'triple bottom line' has never been greater. Whilst engineers will have a vital role in this rebalancing, it is well recognised that the rate of supply of high-level engineering skills will not satisfy the expected demand over the next ten years. To make sure that we as engineers fulfil our potential to improve lives and communities around the globe, we need creative, enthusiastic and talented young people to join us in the industry.

**So, how can we help spark that initial
intrigue in the built environment?**

The Happold Foundation and The Smallpeice Trust are looking for new, fresh ideas for the creation of a built environment focused Think Kit. The entry which responds best to the brief (set out below) will be created and distributed to schools throughout the UK free of charge.

BRIEF

The Smallpeice Trust has developed a series of Think Kits. Think Kits provide educators with a package of tools and resources which can be used in both a classroom and after-school environment to engage young people with science, technology, engineering and maths in new ways. Two Think Kits are currently available: a propelled glider and renewable energy challenge.

Through this competition, The Happold Foundation and The Smallpeice Trust are seeking fresh and unique ideas to inform the creation of a new built environment Think Kit.

KEY THEMES

Proposals should:

- Support a project that should take students, supported by their teacher c.10 hours to complete (Project time required for a CREST Bronze Award)
- Complement the science, technology, engineering, art and mathematics National Curriculum
- Have a built environment focus and provide a creative problem-solving scenario
- Think Kits should be re-useable year-on-year for both educators and students

ENTRY REQUIREMENTS

The competition is open to anyone, with individual or team entries both welcome (individuals may only enter once).

Submissions are welcomed in the applicant's preferred format, all applications must be no longer than 3 A4 pages and must adequately address all of the competition criteria.

JUDGING CRITERIA

Proposals will be judged on:

- Buildability and budget (final cost must not be more than £200 per unit)
- Inventiveness and intrigue for the user

- Contribution to the STEAM Key Stage 3 (England school years 8 and 9, or equivalent) National Curriculum subjects and skills building (i.e. communication, team work, etc.)

AWARD

All proposals will be reviewed by a judging panel and a select number shortlisted. Shortlisted proposals will be invited for an interview. Following the interviews, a winning proposal will be selected.

The team of the winning proposal will have the opportunity to refine the proposal with the education team at The Smallpeice Trust. Once suitable, the Think Kit will be produced and distributed to schools across the UK free of charge.

JUDGING PANEL

A panel of judges from the Happold Foundation and The Smallpeice Trust will evaluate all entries.

KEY DATES

02 January 2018
Launch

01 April 2018
Submission deadline

30 April 2018
Winner announced

SUBMISSION

Please email your idea to
Fergus Anderson
Fergus.Anderson@BuroHappold.com

RESOURCES

Information on existing Think Kits:
<https://www.smallpeicetrust.org.uk/think-kits/>