

Activity name	Sustainable Communities CREST Challenge – Bronze Level
Activity Descriptor	<p>Sustainable Communities CREST Challenge is an exciting and rewarding team activity where participants must plan a sustainable housing development.</p> <p>To get off to the best start possible, we recommend the project should ideally commence with a 'live' site visit.</p> <p>Participants need to be supported in their work by a mentor. This person can be from industry or alternatively could be an activity lead or a group leader.</p>
Activity Aims	<p>CREST Awards aim to raise awareness of Science, Technology, Engineering and Maths (STEM) amongst young people and to highlight which careers in construction are linked to these subjects.</p> <p>By the end of the project participants should have produced a team proposal for their housing development and an individual reflective report on what they have learned during the process. They should also outline each individual's role within the team and how the roles complemented each other whilst defining and finalising the team's proposal.</p>
Activity Length <i>All timings given are approximate and for the basic activity described here. Additional time should be allowed for extensions.</i>	<p>The completed project should evidence 10 hours' work on behalf of the participants, which should also include a construction site or industry visit.</p>
Preparation Required	<ul style="list-style-type: none"> • Planning time with the Civil Engineer/Construction Ambassador. To request a Civil Engineer/Construction Ambassador please email experience@goconstruct.org. • All documents can be photocopied. • Please also see 'Resources Required' section below. • There is a small per-student fee for each Award registration. Please visit britishscienceassociation.org/crest-getting-started for more details.
Group Size <i>Remember that the overall size of the group/audience involved may affect timings.</i>	<p>The group size is unrestricted overall, but construction companies hosting site visits may need to restrict numbers accessing a 'live' site at a given time. Plan ahead to ensure visits are well planned and thought out.</p>
Audience <i>Recommended age range for activity.</i>	<p>11 -19 years.</p>
Suggested Timetable	<p>A timetable must be negotiated between the construction company, participants and the activity lead or group leader.</p>
Extension Ideas	<p>CREST Awards are offered at four levels: Discover, Bronze, Silver and Gold. Participants could progress onto a higher level CREST Award.</p>
Resources Required	<ul style="list-style-type: none"> • Standard stationery resources are required, e.g. paper, pens, A3 paper, etc. • Internet access for participants to undertake research • Please see 'Guide to Documents' for more details.
Documentation List <i>Documents may need to be photocopied/printed in multiples if dividing audience into small groups/teams.</i>	
Employability Skills Involved	<ul style="list-style-type: none"> • Planning • Teamwork • Timekeeping • Design
Curriculum Links	<ul style="list-style-type: none"> • Science • Technology • Engineering • Maths • English
Construction Sector Links	<ul style="list-style-type: none"> • Engineering • Housing