

Activity name	CREST Casement Park SOS Challenge - Silver Level
<b>Activity Descriptor</b>	<p>CREST Casement Park SOS Challenge is a team activity.</p> <p>The challenge invites participants to create a newspaper report about the transformation of Casement Park stadium into a sustainable outreach shelter with focus on the challenges of water supply, transport links, building structures, energy, waste management and underground works.</p> <p>Participants will need supporting in their work by a mentor from the Civil Engineering Sector.</p>
<b>Activity Aims</b>	<p>CREST Awards aim to raise awareness of Science, Technology, Engineering and Maths (STEM) amongst young people and to highlight the careers linked to these subjects.</p> <p>By the end of the project, participants should have produced:</p> <ul style="list-style-type: none"> <li>• A newspaper report</li> <li>• A site plan (scale of 1cm to 2m)</li> <li>• A proposal that describes the site plan and identifies how the plan meets the community's needs</li> <li>• A copy of the project plan (critical path analysis) that was used to complete the challenge</li> <li>• Short reflective report from each member of the team.</li> </ul>
<b>Activity Length</b> <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 30 hours' work on behalf of the participants, which should include an introductory session from a Civil Engineer/Construction Ambassador.</p>
<b>Preparation Required</b>	<ul style="list-style-type: none"> <li>• Planning time with the Civil Engineer/Construction Ambassador.</li> <li>• All documents can be photocopied.</li> <li>• Please also see 'Resources Required' section below.</li> <li>• There is a small per-student fee for each Award registration. Please visit <a href="http://britishscienceassociation.org/crest-getting-started">britishscienceassociation.org/crest-getting-started</a> for more details.</li> </ul>
<b>Group Size</b> <i>Remember that the overall size of the group/ audience involved may affect timings.</i>	<p>To be decided with school/college.</p>
<b>Audience</b> <i>Recommended age range for activity.</i>	<p>14-16 years.</p>
<b>Suggested Timetable</b>	<p>To be negotiated with ambassador/participants/activity lead.</p>
<b>Extension Ideas</b>	<p>CREST Awards are offered at four levels: Discover, Bronze, Silver and Gold. Participants could progress onto a higher level CREST Award.</p>
<b>Resources Required</b>	<ul style="list-style-type: none"> <li>• Standard stationery resources required e.g. paper, pens, A3 paper.</li> <li>• Internet access also required for participant research.</li> </ul>
<b>Documentation List</b> <i>Documents may need to be photocopied/ printed in multiples if dividing audience into small groups/teams.</i>	<ul style="list-style-type: none"> <li>• Participant Team Brief</li> <li>• Participant Guide to Critical Path Analysis</li> <li>• Newspaper Challenge</li> <li>• Notes for Activity Leads</li> <li>• Additional Information for Ambassadors</li> </ul>
<b>Employability Skills Involved</b>	<ul style="list-style-type: none"> <li>• Planning</li> <li>• Teamwork</li> <li>• Problem Solving</li> <li>• Timekeeping</li> <li>• Decision Making</li> <li>• Creativity</li> </ul>
<b>Curriculum Links</b>	<ul style="list-style-type: none"> <li>• Science</li> <li>• Technology</li> <li>• English</li> <li>• Maths</li> <li>• Engineering</li> </ul>
<b>Construction Sector Links</b>	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Housing</li> <li>• Infrastructure</li> <li>• Sustainability</li> </ul>