

Activity name	SCAFFOLDING CUBE CHALLENGE
<b>Activity Descriptor</b>	<ul style="list-style-type: none"> <li>• Participants work in small teams to create a cube using PVC waste pipe and cable ties to simulate a small scaffolding project</li> <li>• The activity is initiated by a power point presentation which provokes discussion on the use and complexities of scaffolding</li> <li>• Informing on Health and Safety (H&amp;S) regulation (Working at Heights) is a key aspect of this activity which also emphasises teamwork</li> <li>• The activity gives opportunity to explore a range of construction careers.</li> </ul>
<b>Industry Ambassador Support</b>	<p>The Scaffold Cube Challenge will be greatly enhanced by the support of a Construction Industry Ambassador. Ideally you should request a Scaffolder or a Structural Engineer otherwise anyone who has an understanding of the whole construction process. The Industry Ambassador should present their own career story before introducing the activity to the participants. To request Industry Ambassador Support please email <a href="mailto:CA@citb.co.uk">CA@citb.co.uk</a></p> <p><b>If you are an Industry Ambassador leading this activity:</b></p> <p>Start the activity by delivering a 5-10 minute presentation (informal or formal depending on the situation) covering the following:</p> <ul style="list-style-type: none"> <li>• What 'sparked' your interest in the industry</li> <li>• Career pathway taken including qualifications taken</li> <li>• Current role and responsibilities</li> <li>• Benefits of working in the construction industry</li> <li>• Additional skills and attributes required, i.e., time management, good communicator, good IT skills, analytical thinking</li> <li>• Future ambition.</li> </ul>
<b>Introducing the Activity</b>	<ul style="list-style-type: none"> <li>• Explain that participants are going to be challenged to build a 'scaffold' cube using plastic waste pipe to simulate scaffolding pole and cable ties as couplings. They will be allowed 20 minutes to work through the build process with assistance from the Activity Lead(s)</li> <li>• There will be a timed competition at the end of the activity without support or assistance</li> <li>• There will be a power point presentation to show the uses and complexities of scaffolding and which will explain the challenge (Full delivery notes are included in the power point – view 'notes pages').</li> </ul>
<b>Setting the Activity</b>	<p>Put participants into groups based on group size, age and time available (minimum 4, maximum 6).</p> <p>Each team will need:</p> <ul style="list-style-type: none"> <li>• 1 x Participant Brief</li> <li>• 1 x set of plastic waste pipe cut to size and colour coded as explained in Scaffold Cube Checklist</li> <li>• 1 x bag cable ties (50)</li> <li>• 1 x pair scissors</li> </ul> <p><b>Tip:</b> It is a good idea not to give them the packs up-front as they may start handling them during your presentation, rather than listening to you!</p> <p>Set them a time limit of 20 minutes to complete the activity.</p>

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<b>Feeding Back on the Activity</b>	<ul style="list-style-type: none"> <li>• At the end of the activity discuss how easy/difficult participants found the challenge</li> <li>• Ask what they have learned about scaffold, its uses and complexities</li> <li>• Ask if they realised the amount of maths/calculation was involved in scaffold design</li> <li>• Activity Lead might like to use an oral quiz to establish if participants can remember specific named elements of a scaffold or other methods of access.</li> </ul>
<b>Concluding the Activity</b>	<ul style="list-style-type: none"> <li>• Discuss what skills they have used during the activity and what they have learnt about the construction industry</li> <li>• Ask each team to collate their resources</li> <li>• Encourage participants to look up the <b><u>Scaffolder</u></b> careers profile on the <b><u>Go Construct</u></b> website, or if they would like to explore construction careers further, they can use the <b><u>Careers Explorer tool</u></b>.</li> <li>• You may wish to thank them for their team working skills and hope they enjoyed the task.</li> </ul>