

These notes are designed to help you present the Challenge, and give the students the best chance of completing it. They are not prescriptive, merely a suggestion. As long as you pass on the information, please feel free to deliver the presentation in a way that suits you and your presentation style. We ask you not to tell them how to meet the Challenge – much of what we will look for is how they make decisions and follow them through, and are able to justify them in terms of the overall plans.

### **Slide 2 – Why a CREST Challenge?**

**Bullet 1** – The ‘Student Team Brief’ the students will receive will explain the skills the CREST Awards develop. We hope you will feel these are general skills you and your company look for in employees, so you can tell them from your experience why the skills are important. Please see ‘Employer Guide to the CREST Challenge’ for more details of these skills.

**Bullet 2** – Employers value students and applicants for apprenticeships / jobs who go the extra mile, e.g. by doing a good job of a CREST project. Education and training providers (apprenticeship providers, colleges and universities) all value CREST Awards for the same reason.

**Bullet 3** – Once you’ve done the project, that’s not the end. You can get the opportunity to attend your Big Bang Regional Fair to show off your projects. This is a great opportunity for the team, school and the company. Encourage them to do this. (You can find more details of your nearest Fair here [www.thebigbangfair.co.uk/nearme](http://www.thebigbangfair.co.uk/nearme))

### **Slide 3 – What is my Challenge?**

**Bullet 1** – Relate this to the development the students are visiting – your company had to do the same tasks as the students, and many more, regardless of whether it was a housing development or not, to fit the required facilities onto the site.

**Bullet 2** – They will work as if they were doing this for real. Companies use scaled diagrams, proposals and teamwork in every project. (Show examples if possible)

**Bullet 3** – The students have met real construction people during the site visit, and (adapt this to suit) in some cases they will continue to work with/your company during the Challenge back at school/college. (This depends on what arrangements you have made with the school/college for future support).



#### **Slide 4 – What do I have to do?**

Students have to do each of the tasks, which are pretty self-explanatory. It will be helpful if you can say that you and your colleagues do similar tasks every day.

#### **Slide 5 – Sustainable Business**

Check students' understanding of the word 'sustainable' and have a simple explanation ready and perhaps an example to illustrate this. Sustainable businesses reduce the negative impacts of their business on people, communities and the environment. It's important to get across that this is no easy, straightforward task. Point to examples they have seen or as they see them on the site visit as a reminder.

The final bullet is essential to the message. It would be possible to make a very sustainable home, but the price would mean it wouldn't sell. Every commercial company has a responsibility to its owners to make profit. That's part of being an economically sustainable building company, and building economically and environmentally sustainable buildings.

#### **Slide 6 – Sustainable Homes**

This slide gives the qualities of sustainable homes. It might be useful to frame it as a question before revealing the slide. (You will need to change the slide show settings to do this)

**Bullet Point 1** - Construction uses more sustainable materials and techniques

**Bullet Point 2** – Sustainable homes/buildings are designed to be efficient in their use of water and energy throughout the home's life, again point to examples seen on the site visit

**Bullet Point 3** – Emphasise importance of using materials that are easier and safer to dispose of too, and less harmful throughout their life.

#### **Slide 7 – Your Challenge**

This is an important slide. Go through each bullet point and at end explain that each team will receive a sheet of A3 paper designed to be their scale grid for the development. The 'Student Team Brief' contains further details of the Challenge which the students will receive.



## **Slide 8 – Your Proposal**

This slide explains the proposal the students will have to develop to achieve a CREST Award. They will develop the proposal as part of a team and it should include:

- A diagram of their site, with houses, roads, pavements, gardens and common areas shown
- A document, video or presentation which outlines the proposal and the three sustainable techniques and materials to be used

The proposal needs to tell us:

- How they will meet the brief of providing 10 homes
- How many people each home can accommodate
- What type of house each home will be – number of floors, bedrooms, connected or separate garages and other extras like conservatories etc.
- Why the students selected each of the three materials and techniques, and why they are sustainable

Details of the Proposal they are expected to complete are also in the ‘Student Team Brief’ which they will receive.

## **Slide 9 - Reflective Report**

To achieve the Award every student in each team must develop a short reflective report. The report details what their experiences have been during the Challenge.

This slide tells the students what the report should cover. Briefly run through each point:

- Their role in the team is, for example, project manager, researcher
- ‘What you did’ is the tasks they fulfilled during the project
- ‘What you learned’ we want to know what they learned about sustainable techniques and also the skills they developed
- ‘Construction thoughts’ we want to know whether this has changed what they think of construction, either as a career option or as a field of business that has an impact on their lives



### **Slide 10 - Get Started**

Mainly self-explanatory, but important to emphasise:

- Research is, in this case, finding out about sustainable techniques and materials so they can justify the decision to use each one. If they don't give justifications, they won't get the Award.
- The audience for the proposal is looking at whether they have met the Challenge. It might be people from the company, but the proposal should be presented as if the audience is from the company regardless.

