



CITB Sustainable Communities CREST Challenge



Why a CREST Challenge?

- **CREST Awards demonstrate skills employers look for**
- **Valued by employers and education**
- **You can show your project to your region at a Big Bang Fair**



What is my challenge?

- **A real challenge that every construction project faces**
- **Real experience for you**
- **Chance to meet and learn from real people who work in construction and the built environment**



What do I have to do?

- **Work in a team**
- **Design a housing development**
- **Make the development as sustainable as possible**



Sustainable Business

- **Less negative impact on people, communities and the environment**
- **More positive impact on people, communities and the environment**
- **Balanced with delivering reasonable profit**



Sustainable Homes

- **More sustainable materials and techniques**
- **Energy and water efficient**
- **Less hazardous, difficult to dispose of materials**



Your Challenge

- Name your company / team
- Design a development of 10 homes for a rectangular site of 2000m²
- Scale as 1cm:2m so 25cm by 40cm on A3 paper





Your Proposal

- **Diagram of the site**
- **Presentation, video or document**
- **Justify your decisions**
- **Tell us how it's different**
- **How you will provide 10 homes**
- **How you will make it sustainable**
- **Use at least 3 sustainable materials in the structures and 3 techniques to make the homes more sustainable to run**



Reflective Report

- Each student writes one
- Your role in the team / company
- What you did
- What you learned
- Construction thoughts
- Not an essay (half page only)



Get Started

- **Work as a team, share tasks**
- **Do your research**
- **Ask for help when you need it**
- **Remember the audience**
- **Enjoy it!**

