**What you need to do over the Summer**

Produce a mind map of all the things that come to mind when you think of

“Preparing for emergencies”

Choose three of these areas to investigate in more detail.

Find a design problem to solve in each of these three areas. Back your problem up with some detailed quantifiable research. Illustrate the three problems with photographs and provide links to where you found your research.

Choose one problem to solve. Hi light this problem.

Look carefully at the student example to help with the above work.

Produce a range of functional, innovative and creative solutions to your chosen problem.

Your ideas should include the following:

* Original ideas and not copies (avoid design fixation)
* Minimum of three ideas
* Although functionality is the most important aspect of your work the ideas should have some visual flair.
* Annotation explaining design features, choice of materials and how the idea works.
* A range of drawing styles: isometric, perspective, orthographic, exploded (to show how parts fit together), cross sections to show hidden detail.
* Design features such as flat pack, adjustable, multifunction, modular, inclusive etc
* Evaluation of ideas. Pros and cons of the designs.
* As you are only designing and not making this you can be a little more ambitious in your ideas.

Good luck

You will need to submit this work at the start of next term.