



emergency shelter + aid pack

KEY STAGE 3

Sponsored by

British Polythene
Industries PLC

+ www.bpipoly.com

+ background

Climate changes suggest that world sea levels are rising and the amount of rainfall is increasing as well as the risk of tidal waves through earthquakes.

It is reasonable to assume that this will lead to more incidents of extreme and catastrophic flooding. We have already seen incidents of this across many countries in the world including parts of England.

Shelter and a supply of clean drinking water is a priority, including medical aid where necessary to the survivors of these terrible circumstances.

Polythene is lightweight, durable, strong and a flexible material. It will also float and can be stored easily in preparation for potential disaster situations.

+ the brief

You are required to design and produce an Emergency Shelter Aid Pack made from 100% Polythene that is not only a protection cover for the survivors but also contains water purifying tablets, a high energy food product, and one other product of your choice appropriate to a disaster situation. It could be a small medical kit, making the pack consist of 3 items, the primary packaging being the shelter.

You may consider using some sort of plastic or nylon cord or supports to give structure and form to your pack and aid the stability of the shelter when erect.

Remember the pack must be lightweight so it will float. It may be dropped to the site of the disaster by air or sea by charities and aid workers.

You may develop your own branding for the overall pack. You may choose a charity, colours, texture, and images for the primary package. Remember visibility is important in order for survivors to be able to pick up aid packs quickly and easily.

▶ [brief b]

A finished 3D pack

150 words to support your chosen idea.

A portfolio of visuals, consisting of no more than 6 single sided A3 sheets or boards, to show your research and demonstrate how your ideas have developed into your final solution.

British Polythene Industries Award of £400 to the school which in the opinion of the judges has had the greatest success with its pupils' entries.

- £100 will also be awarded to the runner up school.

IOP: The Packaging Society will award £50 for the best supporting portfolio.

BPI are able to supply teachers with materials to allow the pupils to produce their mock ups in the specified material.

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