

Main subject:
Textiles Technology

Linked subjects:
1. Science 2. Food Technology

Year
9

Title

The aim of this extension task is to develop your awareness of the practicalities of Textiles and how various 'smart' materials can be used for functional purposes.

Why Not?
It's just for fun!

Context of task:

Fast food places use a lot of packaging. From the wrappers and straws to the boxes and bags, fast food packaging counts for an estimated 40 percent of all litter (including drinks, chips, candy, and other snacks). Through the use of thermal fabrics, lunch bags have been created to help store and protect food from damage. A reusable bag means a reduction in the amount of litter.

Your task is to investigate thermal fabrics and their smart properties to create a lunch bag that can be reused, is stylish and will protect the food, whilst also keeping it at the correct temperature for a reasonable amount of time.

Questions / Issues to address:

1. Investigate thermal fabrics. What are the advantages and disadvantages of using this material?
2. How could you make the bag stylish so that the user will use it over and over again? Create 2 design ideas for the final piece.
3. What changes could you make to solve the following issues; not enough space, where to put the cutlery, how to carry it, how to clean it and how to make it stylish.
4. Create a final idea and present it to your target customer. Ask them 4 questions that link to assessing, evaluating or re-constructing the product.
5. You could take it a step further and make the bag...



Expectation

An A4 sheet with 2 design ideas that have been annotated to explain how it meets current trends and is fit for purpose.

Question sheet with answers from target customer.

Deadline: By the end of the current module

Note to students:

It is not essential, but you are encouraged to extend this task into an area of your own particular interest. If you would like to do so, please discuss your ideas with your teacher.