



Cremyll Class Design Technology Autumn 2: 2021

DESIGN, BUILD AND EVALUATE A LUNCHBOX.

Which lunchbox would be best for Pirate Pete?

B because metal is strong.



Which lunch box would be best for the pirates?
Why?

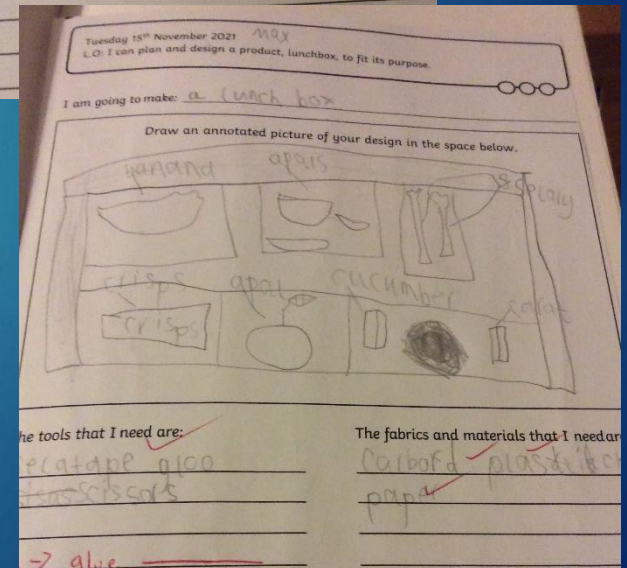
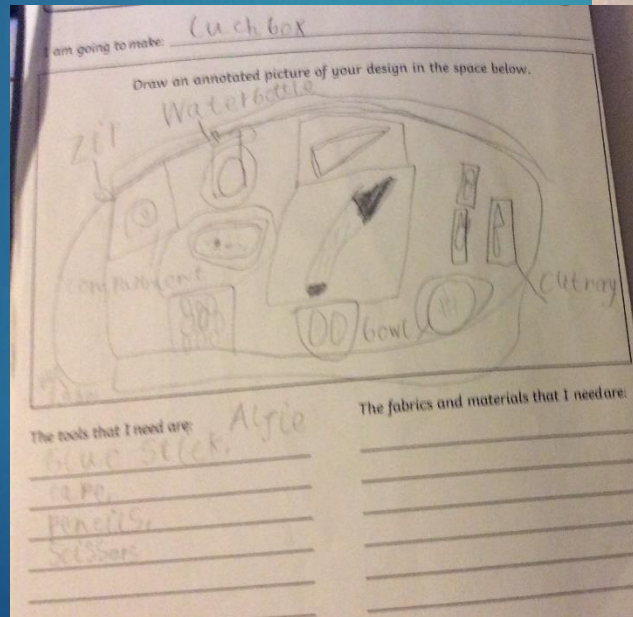
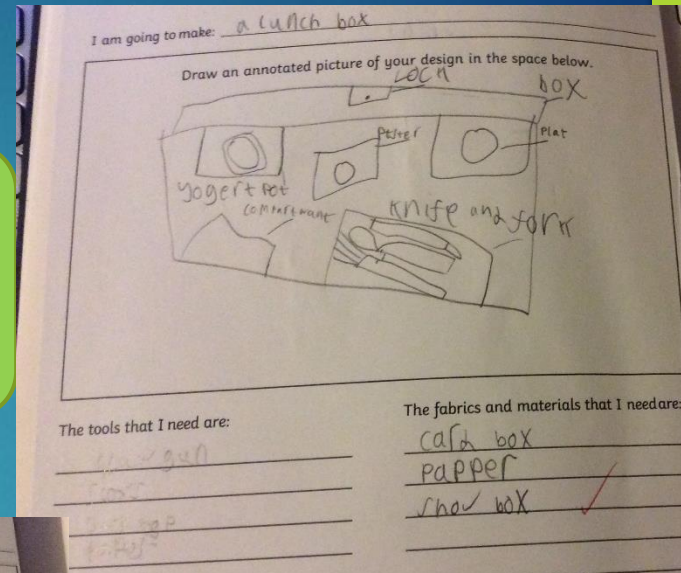


C because the lid won't fall off.

Designing a lunchbox

It needs sections for all of the food.

Glue will help me to join things together.

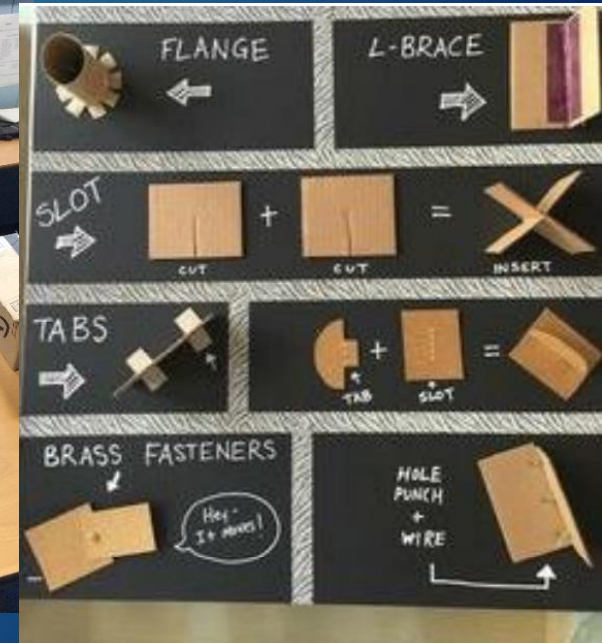


Building a lunch box

I used the slot join to make the sections.



The L-brace would be good for the lid as it won't fall off.



Evaluating our lunchboxes.



Our design was strong because we used a flange join.

Our lid fell off. We could have used a l-brace join.

To make it better we could use plastic so it is waterproof.



What we already know:

- Products have a set use.
- You can use different materials to make a product.
- Lunchboxes hold food.



Our Endpoint

To design, make and evaluate a lunchbox.

Forever Facts

To identify the features of a lunchbox.

To be able to design a product to meet a purpose.

Culture Capital

Children understand how products are designed and made developing their skills to become an engineer.

Exciting books



Skills

To be able to use a variety of joins to connect two materials.
To use tools safely.
To be able to explain why some products are useful

Subject Specific Vocabulary

template	A shape or pattern that is cut out of a hard material like card to help you make the same shape or pattern in other pieces of material.
material	A material is something that you can use to build or make something else with.
product	Something that has been designed and made for other people to buy.
investigate	To study or look carefully at something.
design criteria	A list of things that a product must do to be successful.
structure	Something that has been built from different parts.
hinge	A moveable joint that connects things.
Flange, tab, slot, and L-brace	Are all ways of joins 2 pieces of material together.