

Year Group 5
Summer

Knowledge Organiser: Design & Technology

Theme: Eco Warriors



Strands:
Cooking & Nutrition

What have I learnt already:

- that a healthy diet is made up from a variety of food and drink

-to prepare ingredients hygienically and safely using the appropriate utensils

-to use scales to measure weight in grams & kilograms

-to follow a recipe

-to give an opinion on different foods & meals after tasting

Key knowledge that will be learnt:

About the origins of a variety of different foods



grown



reared



caught

processed



How to store & handle ingredients correctly

To create & write down a recipe: including ingredients, methods, cooking times

Key Vocabulary:

origin	The point or place from which something comes
grown	Plants are grown for food on farms, allotments & gardens
reared	Animals are reared for food on farms where they are looked after to grow well & healthy
caught	Animals like fish are caught for food in places like seas & rivers
processed	We cannot eat food straight from the farm or sea. It has to be changed (or processed) in some way to make it safe for us to eat. It could be simply washed or peeled, or cooked, milled, frozen or tinned

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Strands:

Textiles:
Reusable lunch bags

What have I learnt already:

-that pinning and stitching (using overstitch) can join fabric pieces together temporarily or permanently and securely

-that buttons and ribbon loops can be used to fasten fabric pieces together, and for decorative purposes

-to evaluate your own product against design criteria

Key knowledge that will be learnt:

The work of bag designer, Anya Hindmarch, to develop a reusable bag for UK shoppers



Key features of bags



Zip

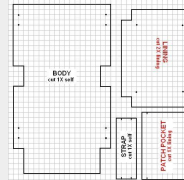
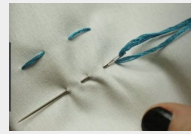
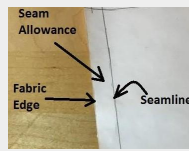


Velcro



Snap fastener

The need for seam allowance.



That a 3D textile product can be made by accurately joining 2D pattern pieces together along a seam line

That innovating on an existing product through prototyping is an important part of the design & making process

Key Vocabulary:

pattern pieces	2D paper or fabric shapes that when joined accurately along seam lines create a 3D product
tacking	Large running stitches to join pieces of fabric together quickly & temporarily
seam	A line of stitching that joins pieces of fabric together
seam allowance	Extra fabric allowed for joining together along a seam line
prototype	A model that is made to test design ideas
innovation	Inventing something new, or developing and introducing new ideas to an existing product to improve it