

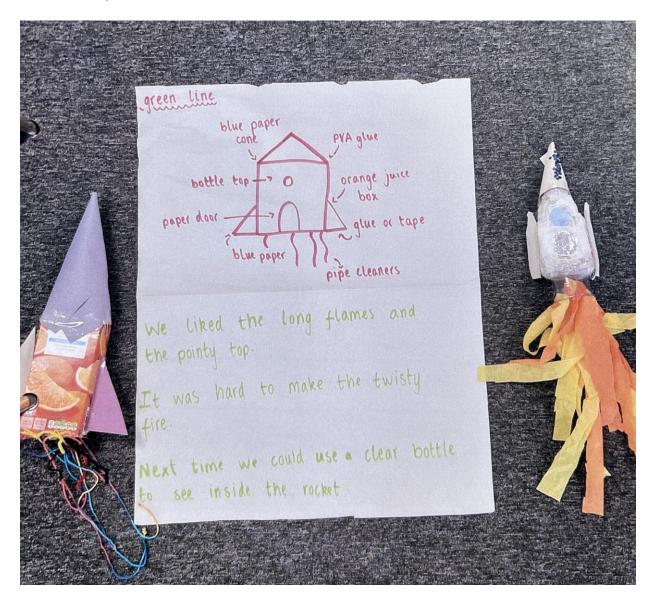


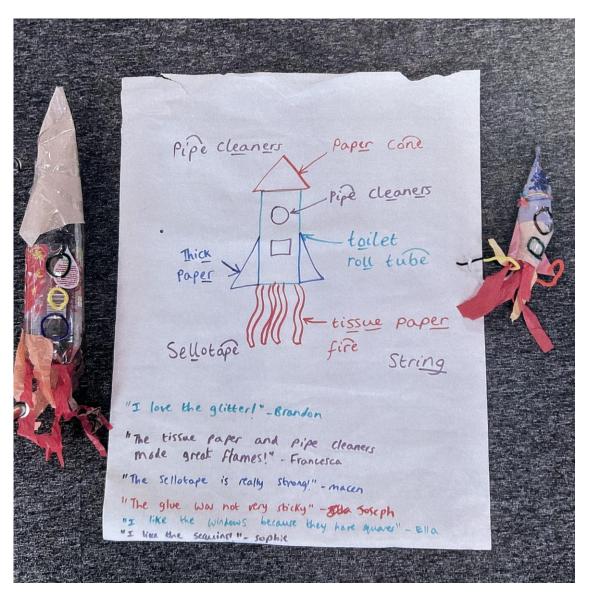
Lower Farm Academy Long Term Plan DT

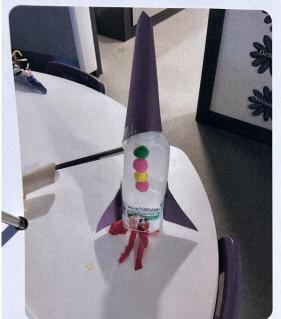


	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	It's all about me: Cards and photo frames	Celebrate with me: Stained glass and tissue paper flowers	Farmyard Fun: Split pin animals, house, bridge construction	How does your garden grow? Mini beast hotel	How to be a superhero: Rockets, villain traps and costumes	Oh, I do like to be beside the seaside: Pirate hats, boats
Year 1	Lost and Found: Structure	The Queen's Hat: Mechanisms	Superheroes: Structures	London's burning: Product	Far, Far Away Mechanisms	Happy Holidays: Food
Year 2	Ocean Adventures: Mechanisms	Time Travellers: Product	Location, Location: Structures	Unsinkable: Product	No Place Like Home: Mechanism	Around the World with the 3 Bears: Food
Year 3	Lost in the Jungle: Structures	What a Saga! Structure	Flying Food Airways: Food	Anglo-Saxon Chronicles: Product	Child of our time: product	Biome in a box: Mechanisms
Year 4	On Top of the World: Food	Secret of the Sarcophagus: Product	Who Pays the Price? Product	Untangling the Greeks: Structures	Eureka! Mechanism	Building Britain: Product
Year 5	Wild, Wild, World: Structure	Law and Order: Product	Crack the Code: Product	Beyond Britain! Food	Magical Mystery Tour: Mechanisms	Globetrotters: Product
Year 6	Abracadabra! Mechanisms	Veni, Vidi, Vici: Structure	Fair Trade? Product	A Prehistoric Puzzle: Product	A Moment in Time: Food	The Railway Children: Mechanisms

Reception















VOCABULARY

map plan

3d structure

materials construct

shape technique

stabilise stiffen











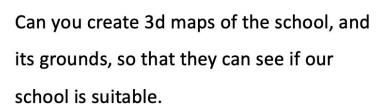
Year 1

Design brief:

Some superheroes are looking for a venue to hold their superhero training camp.

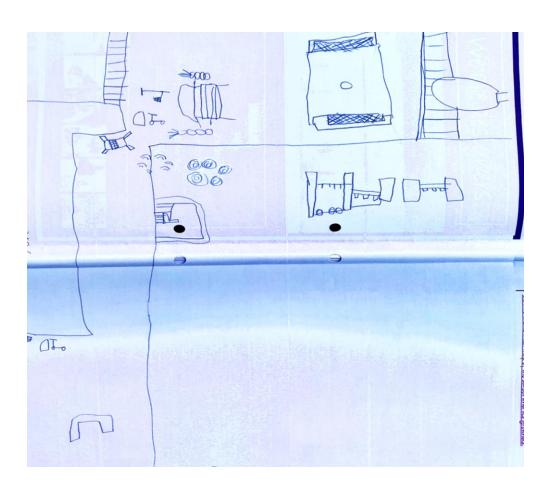


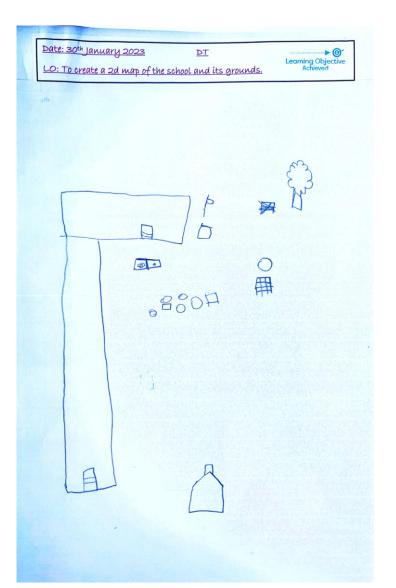




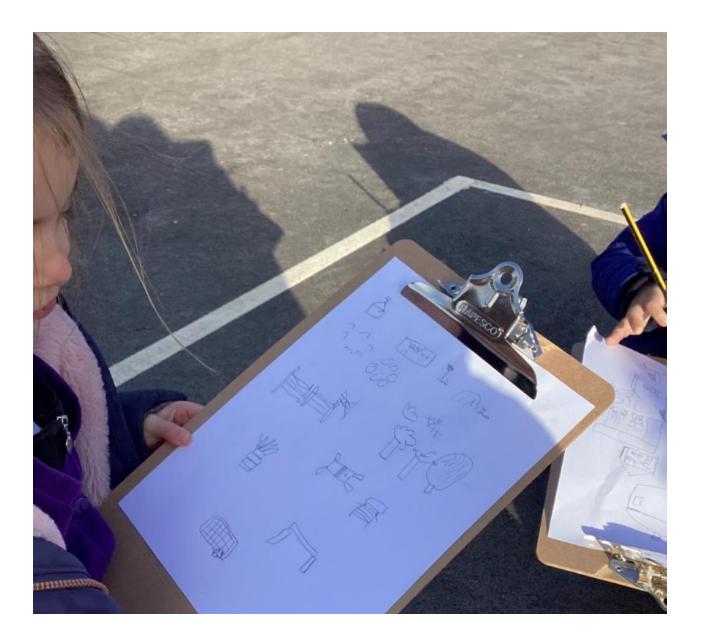




















VOCABULARY

design

product

tools

purpose

COULS

purpose

material

mechanism

construct

stable

stiffen

flexible













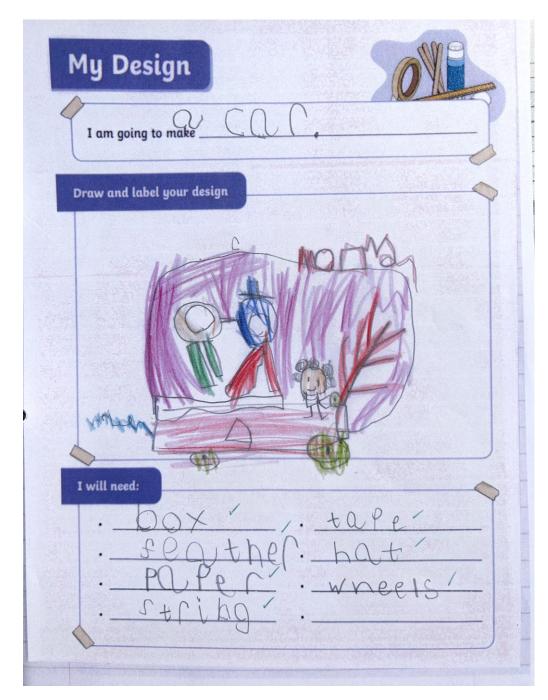
Design Brief.

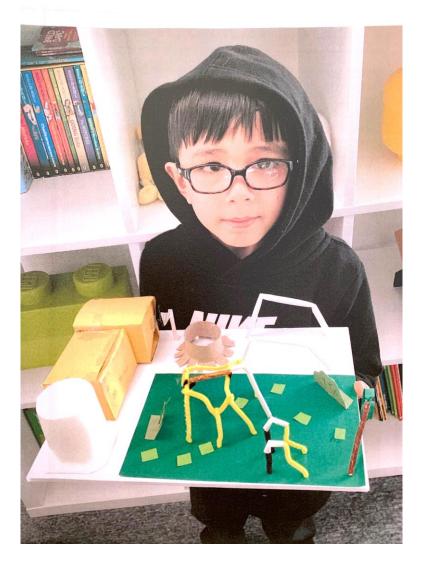


The wind has disappeared but, somehow, we need to get the Queen's hat to be able to travel across London.

Your challenge is to design and build something that can carry the Queen's hat on its journey.

My Design I am going to make a COA Draw and label your design I will need:









Date: 2nd & 3rd February

DT

LO: To create a 3d map of the school





VOCABULARY

Equipment Create Design
Tools Structure Materials
Building Cut Join
Stabilise Evaluate Stiffen
Strengthen Construct Shape

Lesson Objectives

To design a house that is purposeful, functional and appealing.

To build a house, exploring ways to stiffen, stabilise and strengthen.

To select from and use a wide range of tools, materials and equipment to perform practical tasks.

To evaluate own ideas and designs against given design criteria.











Year 2

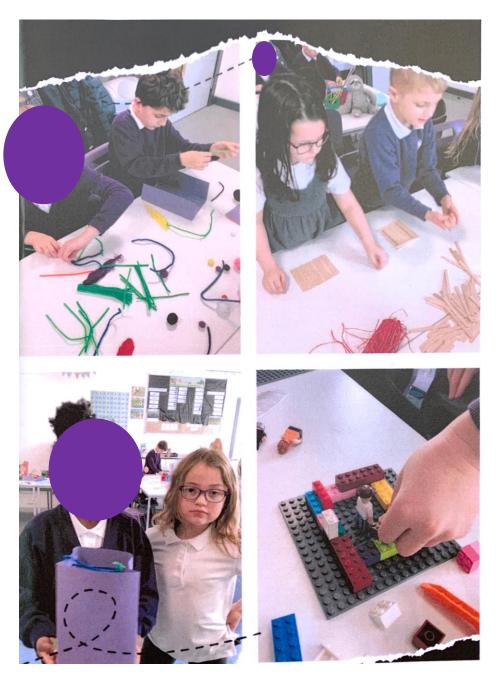
Design Brief

Toby the Town Mouse and Pippen the Country mouse need your help! A terrible storm ruined their homes and they need you to build them a new home each.

Your house must:

- Look appealing.
- Have a strong and stable structure.
- Be built from a range of materials.





30/1/2023

Design and Technology

L.O. To design a house that is purposeful, functional and

ne design orief criteria).
Design
are making hoses.
Who is your house for? The Control mould.
How will you join your structure together? How will you make sure your structure is strong and stable? With glue and Stronge tape.
What materials will you use? Why? I will use loly paperstics. I'll use gethers. I'll use a lape. DT - Emerging Year 2 - Elm Class

30/1/2023

Design and Technology

L.O. To design a house that is purposeful, functional and appealing (against the design brief criteria).

My I	Design
What are you making?	
A nouse A the	We are mad makeing
-a house.	The state of the s
What will your house look like?	Who is your house for?
	The tout town mouse
	How will you join your structure together? Golve Stick and masking tape / celltape.
Collie	How will you make sure your structure is strong and stable? To was make
Pop Stick	it stablise.
What tools will you need?	What materials will you use? Why?
	I will use pipe clear's,
gleur gun	lolie pop sickse, steat,
relitage cellail	getseics and pom pomes
editage celliage	card botis and card
	twee is they work
	TELL DEKELLE
	proty well.
DT - Expected	-
Year 2 - Elm Class	







Design Brief

Your task is to create a salad and / or smoothie that uses as many seasonal fruit and vegetable ingredients as possible.

If you use other ingredients, you must find out where they are sourced from.

VOCABULARY				
seasonal	ingredient	chop	slice	
grate	díce	cube	blend	
source	míx	whisk	stír	
pour	drízzle	fruít	vegetable	













Year 3

DESIGN TECHNOLOGY

Learning Objective

apply understanding of seasonality and its links to ingredients

0: Research and analyse existing salad and smoothie recipes



Think about seasonality and a healthy, varied diet.

- 1. What did you notice about the recipes in terms of seasonality?
- 2. What did you notice about the recipes in terms of a healthy, varied diet?

Most of the ingredients are grown in Summer and only a few can be grown in winter. The winter salad had more seasonal winter ingredents like squash and pear and beetroot.

23 DESIG

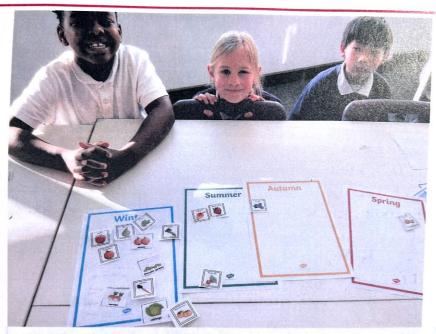
DESIGN TECHNOLOGY TASK 1.

LO: To understand seasonality and identify seasonal ingredients Learning Ob

Achieved

1 g. Write a summary of what seasonality means and why it is important.

2 12. Did you notice or find anything interesting or that surprised you?



It is about the food that grows at different times of year, like spring, summer, Aurtum and winter and while it's at it's best quality.

It's importent because we will get the best quality food and it's better because for the invierment spherause it dose not use gas.

e environment



Ingredients:

My Smoothie

- 1. Write your ingredients list
- 2. Colour code seasonal and any non-seasonal ingredients:
- Mon-seasonal
- 3. Have you had to include some non-seasonal ingredients: Why have you done this?

avocado traw berrys helly -seasonal. yes, because there's not You have found a few 1.2023

DESIGN TECHNOLOGY

Learning Objective

o: To design a seasonal salad and smoothie

My Salad



- 1. Write your ingredients list
- 2. Colour code seasonal and any non-seasonal ingredients:
- Seasonal
 - Non-seasonal
- 3. Have you had to include some non-seasonal ingredients? Why have you done this?

Ingredients:

Cucumber
to morteos

Carrot
Salad Leaves
Cabine
Dumkine
Nale
Apple Clarge

Parsley

Cucumber

Yes, because
there's not a
there's not a
seasonal
by Salad ingredents.
You have made
apple Clarge
recipe!



0: To	Learning Objective Achieved test, analyse and evaluate a finished product (seasonal salad and smoot
→	what worked well: The apple juce because it made is rely sweet. I liked the carrots roased and grated.
/	what could be improved / what I found a challenge: The choping because it was rell hard and we only have safed Knifes.
	what I will try next time to improve or try something new: add a little bit more apple.







VOCABULARY

Explore Design Evaluate Analyse Suitable

Materials Brief Durable Adhesive

Streamlined Replica Longship

Design Brief

You have been tasked with creating a replica Viking Longship to be displayed in the Viking Gallery at Tamworth Castle.

It must be a working replica, that can be used to demonstrate the viking journey and how the longships worked.

You will test your designs and race them once complete.















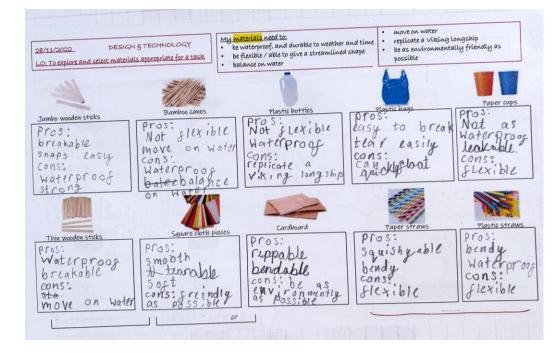


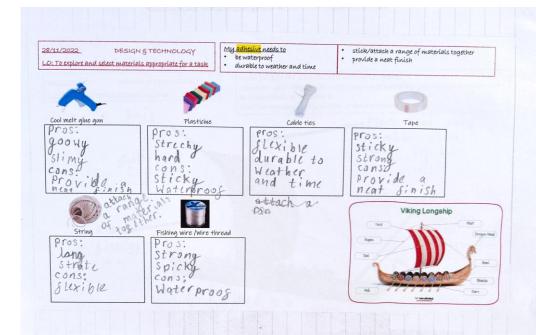
We explored different materials to use for our longboat and decided which would be the best.

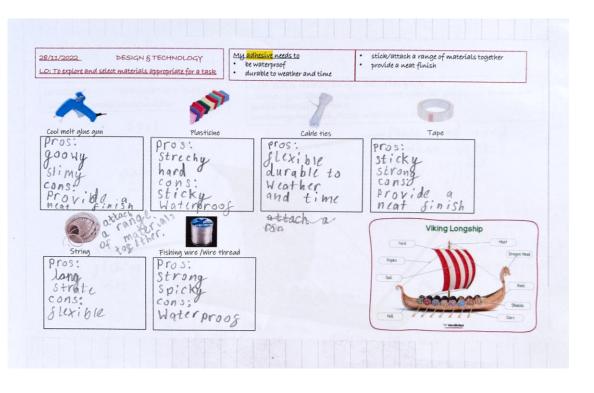












DESIGN & TECHNOLOGY

LO: To design a replica viking Longship

Sail

Catton

Rabric

Cloth

Refer back to the diagram of a Viking Longship.

Complete your diagram below to show what materials you will use for each part and the adhesive to attach it.

Don't worry about oars, shields or decoration at this stage.

-Mast and yard Bamboo sticks Thin sticks Thick sticks Hull Bamboo Sticks thin Wooden Sticks



2/12/2022

LO: To test, analyse and evaluate a finished product (Viking Longship)



My finished Longship Replica

Improvements I could make:

That giving the Sail up more sticks on one both sides of the boat.

Also supply from the boat.

Nothing	galling on it's side.
it kept	galling on it's side.
It Kept	falling on it's sea
	we slidn't have a
the sin	allenging: since hull be
What I found ch	allenging: Juk.
Blowing	the sail was hard.
Blowing.	the sail was hard.
+ sound	it Stand in the
Makeing	
water was	challengeing.

What worked well:

What I had to change during production:

Changeing the hull while building changing the Sail of colours.