

Term	Half-term	Focus Area	Project / Outcome	Linked Artist / Designer / Inspiration	Relevant KS2 NC Objectives
Autumn	Autumn 1	DT (Sculpture & Materials)	Make a working paper mâché lighthouse with a simple electrical circuit	Coastal safety; lighthouse design	Use mouldable materials to create texture and strengthen structures; design and make functional products; use simple circuits; evaluate against design criteria
Summer	Summer 1	DT - Food & Nutrition	Prepare and cook Ancient Egyptian-inspired flatbread	Trip to Liverpool World Museum (Ancient Egypt Experience) Ancient Egyptian food culture; Zeraffa Giraffa	Understand ingredient origins; follow simple recipes; prepare and cook food hygienically; evaluate finished products

Year 3/4 Art/DT Planning Overview

Autumn 1 (DT Focus: Build structures)

Theme: *Coastlines*

Linked Text: *Alba the 100-year-old fish*

Engineer/Painter: Henry Winstanley- built the first lighthouse in England

Knowledge

- I know the purpose and function of lighthouses in keeping people safe along the coastline.
- I know how to strengthen and reinforce structures using layers of paper mâché.
- I know how to create texture on surfaces for realistic effect.
- I know the basics of a simple electrical circuit to make a light work.

Skills

- I can use mouldable materials (paper mâché) to build a stable structure and create surface textures.
- I can design and construct a lighthouse model that can stand upright and hold a working light.

- I can make a simple electrical circuit with a bulb, battery and switch to produce light.
- I can evaluate their model against design criteria (stability, appearance, working light).

Outcomes

Design, make and evaluate a working paper mâché lighthouse that lights up, inspired by *Alba the 100 Year Old Fish* and the theme of coastal safety.

Design and Technology Vocabulary

circuit, wire, bulb, battery, series circuit, paper machè, strengthen, mould, texture

Summer 2 (DT Focus: Cooking and Nutrition - Preparing and cooking flatbreads inspired by Ancient Egyptian food.)

Theme: Ancient Egypt

Linked Text: Wisp

Inspired by: Trip to Liverpool World Museum to visit Ancient Egypt Experience.

Knowledge

- I know that food ingredients can come from different places (local and global) - e.g. grains grown along the Nile.
- I know that Ancient Egyptians used grains like emmer wheat to make simple breads.
- I know that flatbreads are an example of a staple food still eaten today.
- I know that food must be prepared and cooked safely and hygienically.
- I know that different ingredients can be combined for taste and texture.
- I know that cooking changes the properties of ingredients (e.g. dough becomes bread when heated).

Skills

- I can follow a simple recipe to make a flatbread dough.

- I can measure and weigh ingredients accurately using standard units.
- I can use tools safely and hygienically (e.g. mixing bowls, measuring jugs, rolling pins).
- I can combine ingredients through mixing and kneading.
- I can shape and roll out dough to a consistent thickness.
- I can cook the flatbreads safely (e.g. on a griddle or in an oven) with adult supervision.
- I can taste and evaluate their finished product, suggesting how it could be improved.

Outcomes

To design and make a simple flatbread inspired by Ancient Egyptian food

Design and Technology Vocabulary: Weigh, measure, knead, combine, temperature, griddle, bake, flatten