

DT

Photo Frames

Year 3

What I should already know

- Using data to make informed decisions about projects. (See Y2 Maths Statistics)
- Different appropriate materials used to make photo frames. (See Y2 Science Materials, Y2 DT Transport)
- Some techniques to make a structure firm and stable. (See Y2 DT Transport, Y2 DT Moving Cards)



Technical Knowledge and skills

- Evaluate a range of existing photo frames.
- Experiment with different strengthening and joining techniques.
- Design a photo frame that would be suitable for a particular purpose using their knowledge on making stable structures.
- Describe how they will make their finished product of a high quality.
- Create a strong and stable structure.
- Suggest ways they could improve their product.

Sticky Knowledge

Identify how everyday structures have been made stable.

Identify the different components/features of a photo frame.

Describe different techniques for making strong structures.

Recognise and discuss the use of triangulation.

Describe the different materials you can use to ensure a product is strong.

How to use data collected from surveys to make informed decisions about projects.

Vocabulary

Frame	A rigid structure that surrounds something.
Reinforce	Strengthen or support with additional material.
Strengthen	Make or become stronger.
Triangulation	Formation of or division into triangles.
Functional	Designed to be practical and useful, rather than attractive.
Annotated sketches	A drawing that has various call offs noted with arrows leading to the details being described.
Join	To link or connect.
Component	A part of a larger whole.
Label	A classifying phrase or name.