

DT Knowledge Organiser- Year 4

Vocabulary

- material
- textile
- tool
- stitching
- joining
- glueing
- sewing
- embroidery
- product
- ingredients
- recipe
- design
- plan
- construct
- re-evaluate
- improve
- evaluate



FLOUR RECIPE
 1 Part Flour (1 cup)
 2 Parts Water (2 cups)
 Pinch of salt (prevents rot)
 Mix until smooth

GLUE RECIPE
 1 Part White Glue (1 cup)
 1 Part Water (1 cup)
 Mix until smooth

The 'extra mile'

- Find out about the properties of different materials
- Make or bake something to eat
- Make something using papier mache
- Embroider a pattern on to a t-shirt
- Explore using different shapes to build strong structures
- Make something that moves using a pulley or lever
- Use Lego / Minecraft / Roblox to build

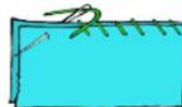
Teaching aids - joining techniques



Back stitch



Backward running stitch



Over sew stitch



Blanket stitch



Running stitch

What should we already know?

- How to sketch patterns
- How to evaluate different materials
- How to reinforce materials with papier mache
- Which shapes are strong to build with
- How to embroider patterns onto fabrics
- How to join fabric together
- How to use a variety of stitches



Websites

- <https://www.data.org.uk/for-education/primary/>
- <https://www.stem.org.uk/primary-dt-resources>
- <https://www.bbc.co.uk/teach/ks2-design-and-technology/zvb8hbk>
- <https://www.foodfactoflife.org.uk/>
- <https://www.howstuffworks.com/>
- <https://www.lego.com/en-gb/themes/letsbuildtogether/365-activities>