

Design & Technology – What is a model house?

User - Pepper the elf needs a new house.

Purpose - The house needs to stand strong against Arctic winds.



Houses - structures designed and made for people to live in. They need to be strong and stable.



detached house



Igloo



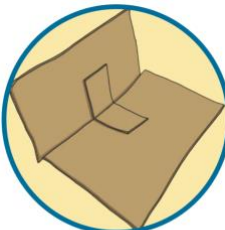
Log Cabin



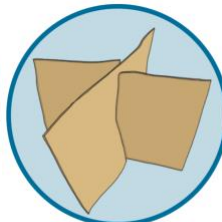
A-Frame House



tape



brace



slot



stick



flange

Types of joins

Key Vocabulary

User	The person who you're designing something for.
Purpose/Function	What the design needs to do.
Design	To draw and make something.
Structure	Something that has been made and put together such as a building or bridge.
Stable	Object does not easily topple over.
Strong	It doesn't break easily.
Test	To find out whether something works as it should.
Weak	Breaks easily.
Join	How materials are attached together (flange, slot, brace, tape).
Evaluation	To decide if the design fits the purpose. To decide if it can be improved.

za-nst-77-ways-to-strengthen-materials_ver_1.pdf (SECURED) - Adobe Acrobat Reader DC

File Edit View Window Help

Home Tools

za-nst-77-ways-to-... X

115%

2 / 3

Sign In

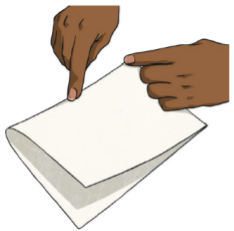
twinkl

Page 1 of 3

visit twinkl.co.za

twinkl

Making materials stronger



Experiment 1

You can test this theory with a piece of paper. Take a plain piece of A4 paper and try to tear it. Now fold it and try again. Repeat the process as many times as you can. You should discover that the more times the paper is folded, the harder it is to tear!

Export PDF

Adobe Export PDF

Convert PDF Files to Word or Excel Online

Select PDF File

za-nst-77-ways-to-strengthen-materials_ver_1.pdf

Convert to

Microsoft Word (*.docx)

Document Language: English (U.S.) Change

Convert

Create PDF

Store and share files in the Document Cloud

Learn More