



DT - Textiles - Must Knows - Key Stage 1



New Vocabulary	
fabric (sometimes also called material or cloth)	textiles
sew	sewing
needle	thread (sometimes called 'cotton')
stitch	running stitch

Keeping Safe

Equipment that you are using can be sharp. Be careful when using and never run when holding them

Scissors

Cut away from yourself. Turn the material when at a corner. Hold with the blade down when passing or walking with them

Long hair should be tied back.

Tidy up Time

Thread out of needle.

Needles away- Given to an adult.

Scrap fabric put away.

Rubbish in the bin.

Technical Skills

- Learn how to sew using a running stitch
- Begin to use it in a variety of ways - to join fabric together, to make a pattern or design, to applique

running stitch

- Use a paper template (or pattern piece) to cut out.
- Position it so we don't waste fabric.
- Cut out carefully with an adult.

Decorating textiles

There are different techniques we might use to decorate:

- Sew fabric onto other fabric (applique)
- Attach or glue on sequins, buttons or other decorations

Fabric printing using block print technique

- Make print design on polystyrene block by carving it in
- Roll fabric paint evenly across
- Blot excess off and then print on textile. Repeat in different patterns

Equipment

fabric scissors

needle and thread

felt

Famous Designers

Cath Kidston - British, contemporary, textiles designer

Known for using repeating floral patterners



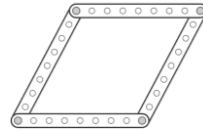
DT - Structures - Must Knows - Key Stage 1

Top Vocabulary

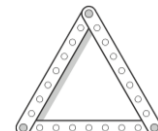
Gluing	stable
Materials	Structure
Strengthen	product

Technical Knowledge

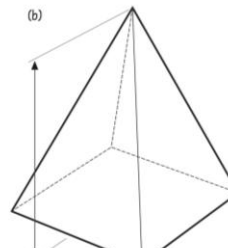
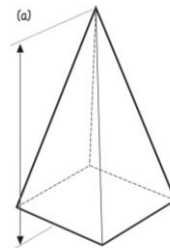
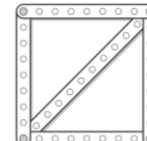
Some shapes and structures are stronger than others



This is easy to push over



Strong or reinforced shapes can't be pushed over



3D shapes are stronger and more stable with a wider base. Pyramid b here will be more stable.

Equipment



Junior hacksaw



Sand paper



Hammer and nails



Bench hook



Glue

Famous Designers

Zaha Hadid- contemporary

Dame Zaha Mohammad Hadid DBE RA was a British Iraqi architect, artist and designer, recognised as a major figure in architecture of the late 20th and early 21st centuries.



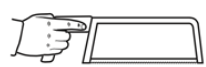
Keeping Safe

Keep your work area clear.



Only small groups of children sanding at one time.

junior hacksaw
correct grip



Keep your other hand out of the way.

Walk around the classroom.



Listen carefully to all instructions.



Long hair tied back.

Tidy up time!



Name on work.
Equipment away.
Desks tidy and clear.
Floor tidy and clear.

Technical Skills -

- Cut materials safely using provided tools.
- Demonstrate a range of joining techniques such as gluing.
- Measure and mark out to the nearest centimetre.
- Demonstrate a range of cutting techniques.
- Use materials to practise drilling, screwing, gluing and nailing materials to make and strengthen products.



DT – Mechanisms and Mechanical Systems- Must Knows – Lower KSI



Top Vocabulary

Product	mechanism
lever	Pop up
slider	Split pin

Keep your work area clear.



Sit down in your seat when using scissors.



Listen carefully to all instructions.



Walk around the classroom.



Tidy up time!



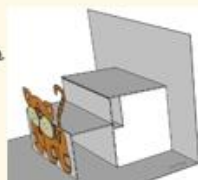
Name on work.
Equipment away.
Desks tidy and clear.
Floor tidy and clear.

Technical Knowledge

• Slider



• Pop up



• Lever



• Wheel



Equipment



Scissors



Lolly sticks

Glue



Card



Famous Designers

Amelia Earhart- from history

Amelia Mary Earhart was an American aviation pioneer and author. Earhart was the first female aviator to fly solo across the Atlantic Ocean.



Technical Skills -

Create products using sliders and levers (split pins) mechanisms



DT – Mechanisms and Mechanical Systems- Must Knows – Upper KSI

Top Vocabulary

wheel	axel	chassis
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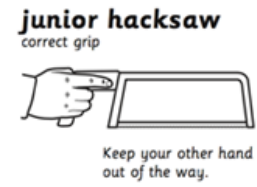
Previously Learnt Vocabulary

Product	mechanism
lever	Pop up
slider	Split pin

Keep your work area clear.



Keeping Safe



Walk around the classroom.

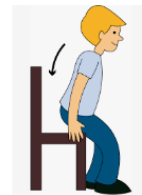


Long hair tied back

Listen carefully to all instructions.

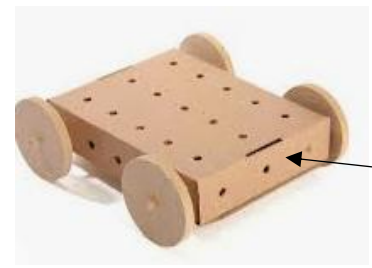
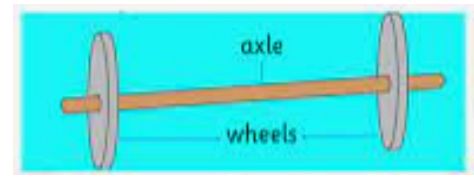
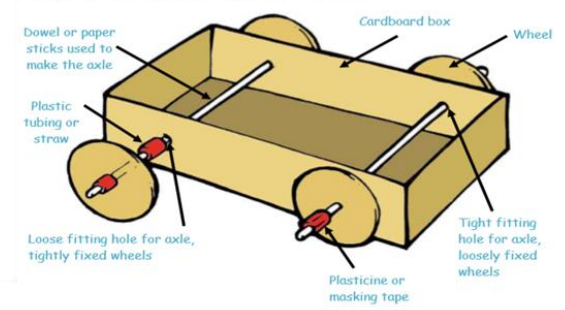


Sit down in your seat when using scissors.



Technical Knowledge

Example of two different ways to fix wheels



chassis

Equipment



Scissors



Junior hacksaw



Bench hook



K'nex

Famous Designers

Sir Alexander Issigonis- contemporary

Sir Alexander Arnold Constantine Issigonis CBE FRS RDI was a British-Greek automotive designer. He designed the Mini, launched by the British Motor Corporation in 1959, and voted the second most influential car of the 20th century in 1999.



You should already know....

• Slider



• Pop up



• Lever



• Wheel



Technical Skills -

Create products using wheels and axel mechanisms.

Use materials to practise drilling, screwing, gluing and nailing materials to make and strengthen products.