



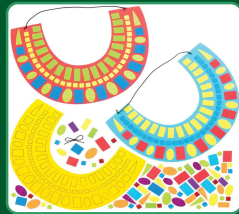
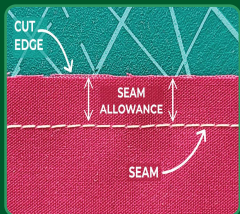
Key Knowledge, Vocabulary and Questions

Design Technology: Autumn Term – Egyptian Collars

Year 3

Key knowledge

- Develop vocabulary for tools materials and their properties.
- Understand seam allowance.
- Join fabrics using running stitch, over sewing, blanket stitch.
- Prototype a product using J cloths.
- Use prototype to make pattern.
- Explore strengthening and stiffening of fabrics.
- Explore fastenings (inventors?) and recreate some.
- Sew on buttons and make loops.
- Use appropriate decoration techniques.



Key vocabulary

cotton	A type of fabric thread.
cross stitch	A stitch used for sewing.
water-resistant	Water cannot pass through it.
biodegradable	Breaks down naturally.
embellish	Improve the looks of an item.
synthetic	Something man-made.
pinking	A wavy edge created with scissors.

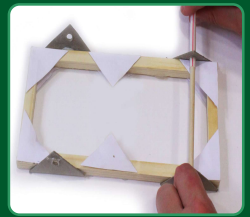
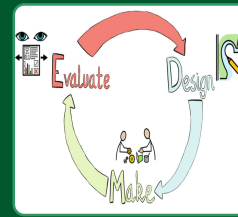
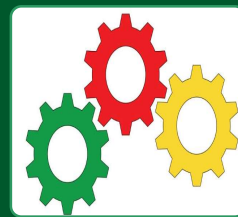
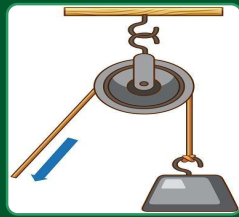
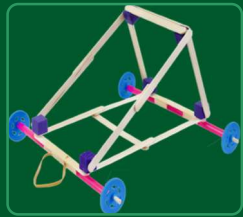
Key questions

- 1 What does synthetic mean?
- 2 What does unique mean?
- 3 What is it called when fabric has wavy edges?
- 4 Why would you embellish something?
- 5 Can you describe a property of a fabric?



Key knowledge

- Use mechanical systems such as gears, pulleys, levers and linkages.
- Use lolly sticks/card to make levers and linkages.
- Use linkages to make movement larger or more varied.



Key vocabulary

chassis	The main body of a vehicle.
slingshot	The force that can be used to pull something forward.
pulley	Used to change the direction of a force.
mechanism	Parts working together in a machine.
kinetic	Active movement energy.
gears	Wheels used to anchor pulleys.

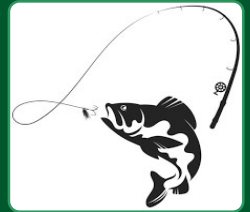
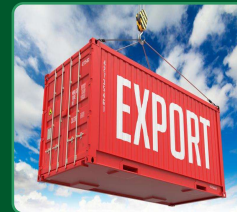
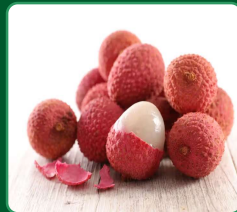
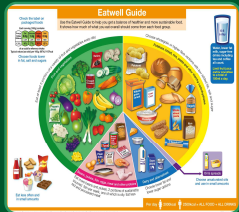
Key questions

- 1 Give an example of a mechanism.
- 2 Explain air resistance.
- 3 Why is it important to test a product?
- 4 How does a slingshot work?
- 5 Why would you evaluate a design?
- 6 Can you say a better word for the body of a car?



Key knowledge

- Make healthy eating choices – use the Eatwell plate.
- Explore seasonality of vegetables and fruit.
- Find out which fruit and vegetables are grown in countries/continents studied in Geography.
- Develop understanding of how meat/fish are reared/caught.



Key vocabulary

Eatwell Plate	A diagram designed to show us a balanced diet.
seasonality	The season in which a crop is grown.
lychee	A small round fruit with a large central stone, and a thin rough skin.
import	To bring or buy goods into a country.
export	To take or sell goods from a country.
climate	The weather in a certain place.

Key questions

- 1 What does the Eatwell Plate show us?
- 2 In what season do lychees grow?
- 3 What produce is imported into the UK?
- 4 What produce do we export from the UK?
- 5 Why do we not grow bananas here?
- 6 Why do we need to be careful where we fish?