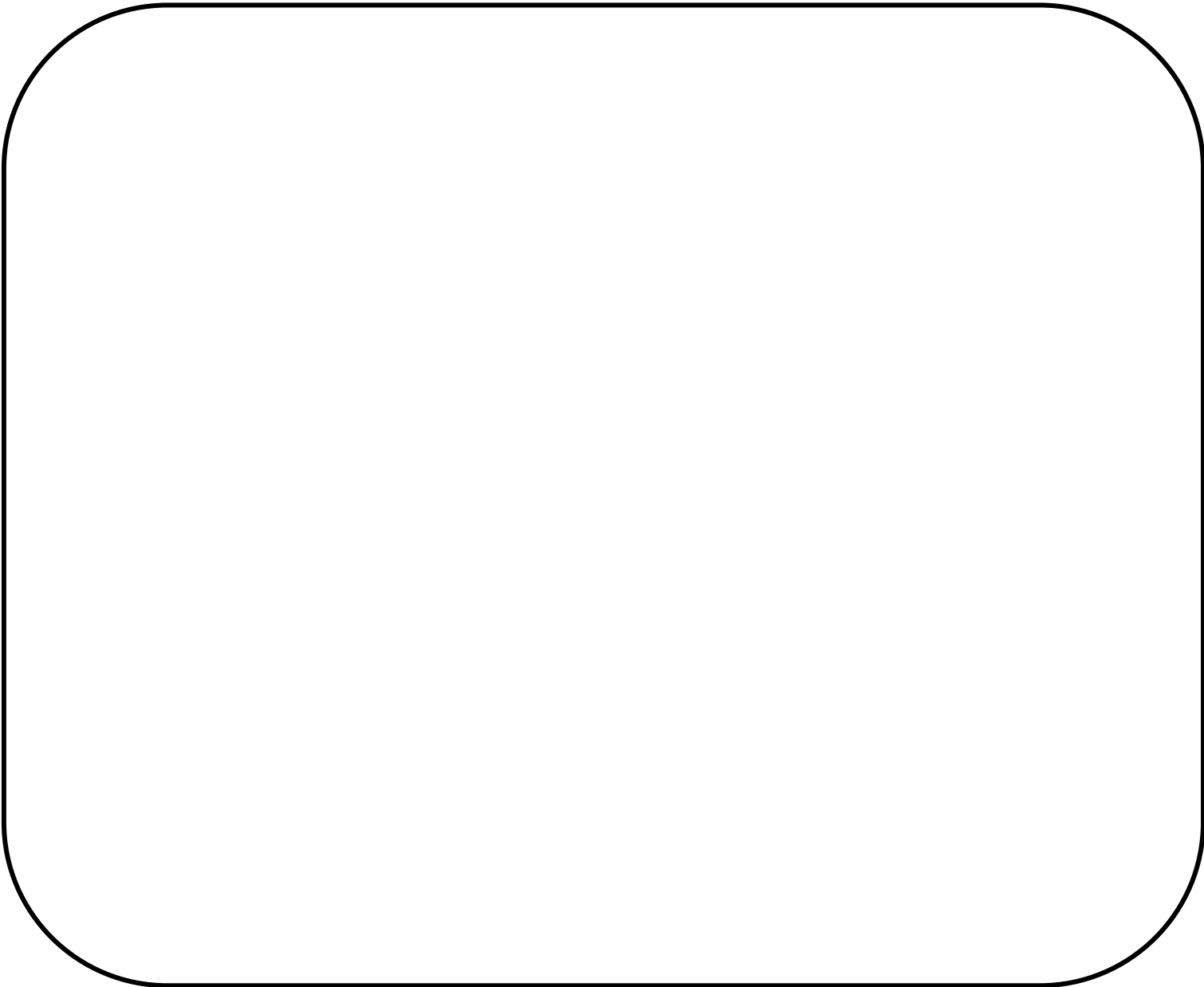




- Safety when using a Sewing Machine**

Task 1: Complete the sewing machine safety list below, the first three have been provided as examples.

Task 2: Design a poster which creatively shows the health and safety rules when using a sewing machine. Use your safety list (Task 1) to help you. You can include these on your poster. You may also use the images below as inspiration.

Draw your design in pencil then add colour.

Task 1:

 1. Tie your hair back.
 2. Sew at a steady pace.
 3. Be cautious of cords.
 - 4.
 - 5.
 - 6.
 - 7.
 - 8.
 - 9.
 - 10.

YEAR 7 Textiles: Cushion Project

Name:	
DT Group:	
Form:	

In this project, students get the opportunity to design and manufacture an eye-catching cushion inspired by the work of Lisa Congdon.

Students are introduced to CAD/CAM and the iterative design process, which will challenge them and showcase their creative skills.

They will also continue to develop their health and safety skills as they learn how to use the sewing machine, diversifying the textiles skills they learnt in KS2.

Subject Vocabulary	
Inspire	Hem
CAD/CAM	Tacking
Vinyl cutter	Assemble
Manufacture	Unpick



	RAG Rating:	Start	End	Teacher
1.	I can draw imaginative, eye-catching and original designs that have been inspired by the work of Lisa Congdon.			
2.	I can draw high quality, clear designs that are suitable for the vinyl cutter (using a ruler and shaded carefully).			
3.	I can create vinyl design ideas that will appeal to my chosen target market.			
4.	I can use the iterative design process & the feedback of others to improve my final vinyl design.			
5.	I can select & use a range of equipment, machines (sewing machines, vinyl cutter, iron & heat press), techniques & materials with a good level of accuracy.			
6.	I can accurately mark and cut out my cushion shape using fabric scissors.			
7.	I can accurately measure, mark out, pin & tack my hems.			
8.	I can use the sewing machine independently to construct and embellish my cushion: hems, applique and seams.			
9.	I can assemble my cushion independently and correctly.			
10.	I can work safely in the textiles room and follow all health & safety advice.			

Health & Safety Rules for Textiles Lessons

- Wait quietly on arrival outside the room, in a line
- Stand behind your place and get out your equipment and VOICE note
- Tie long hair back
- Wear appropriate, closed toe footwear
- Put bags away safely
- Store all drinks bottles at the front of the Textiles room, near the door
- Do not call out or shout- put your hand up for help and wait
- Stop IMMEDIATELY if asked to do so
- Know where the emergency exits are
- Report any accidents or breakages
- Never use any equipment or machines without permission or training
- Carry and use small equipment with care and as instructed
- Needles must be stored in the needle holder when not in use
- Only ONE pupil working the sewing machine at any time



At the end of the lesson:

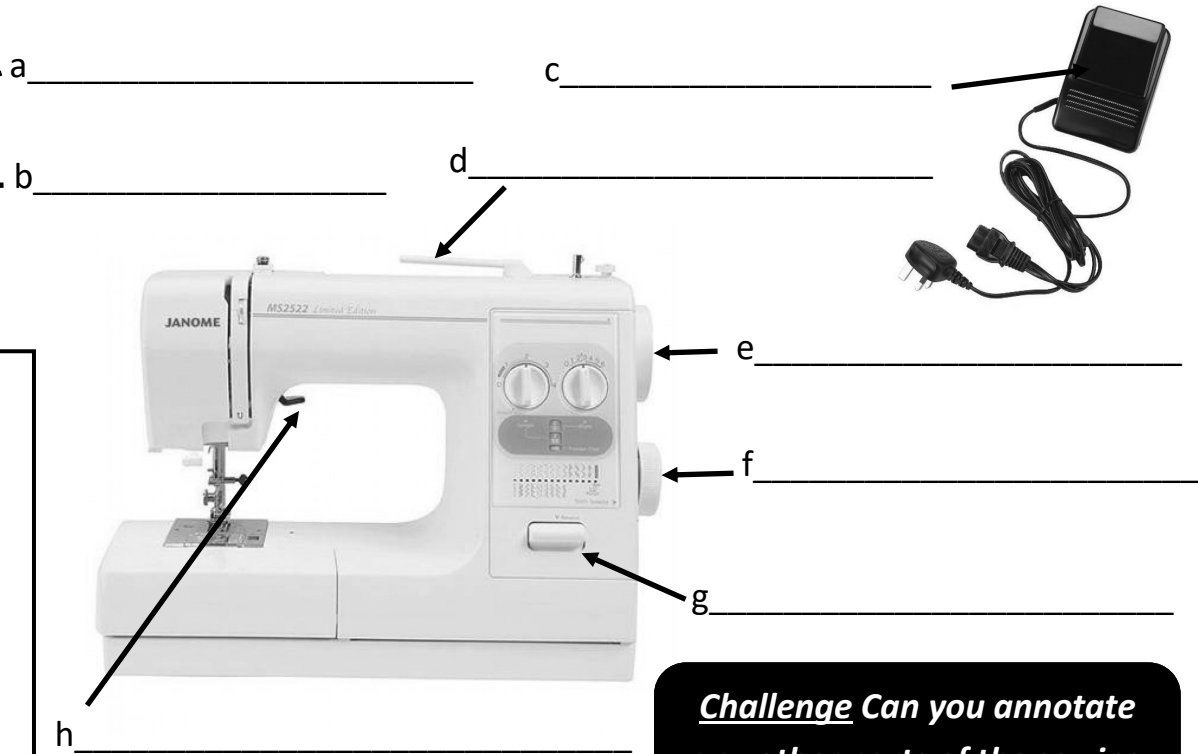
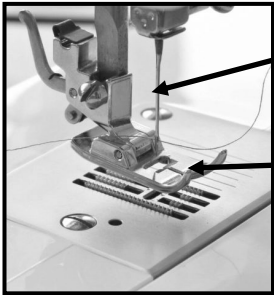
- 1) Return all equipment to the correct place
- 2) Pick up bits from the floor and put in the bin
- 3) Tidy your desk, put your work in your folder and group box
- 4) Sit in silence and complete the excellent end activity
- 5) When you are dismissed by the teacher, tuck your chairs under neatly and leave the room quietly

CLEARING UP MUST BE DONE THOROUGHLY AND SMALL EQUIPMENT ACCOUNTED FOR!

Student Signature: _____ Date: _____

Students unable to follow Health & Safety rules will be removed from practical lessons

Threading Up and Using the Sewing Machine



- 1) Balance wheel
- 2) Foot pedal
- 3) Needle
- 4) Presser foot
- 5) Presser foot lever
- 6) Reverse lever
- 7) Spool pin
- 8) Stitch selector dial

LO: To identify the key parts of the sewing machine

Challenge Can you annotate any other parts of the sewing machine?

Manufacture

What can I do already?

What do I need to do or practise to make progress?

I can ...	RAG rating			Date
	Red	Amber	Green	
1) Use the machine safely & am aware of safety risks				
2) Control the speed of the machine				
3) Reverse 4 stitches to secure stitching				
4) Change the stitch length & width dials correctly to match the chosen stitch				
5) Accurately complete my sewing machine driver's licence: machine a straight line, curve and right angle (leaving the needle in to mark the corner)				
6) Accurately machine my hems				
7) Use the machine to embellish my cushion with an interesting applique design (zigzag stitch)				
8) Use the machine to assemble & construct my cushion (straight stitch)				

Key Questions



- 1) Who is your intended target market (customer)
- 2) What needs, wants & interests do they have? What do they like? e.g., colours, animals, food, travel etc.

LO: To create a high quality, vinyl design for your cushion, inspired by the work of Lisa Congdon, using iterative design.

Design

Creating your Vinyl Cutter Design

1



- 1) Initial ideas– Using the iterative design process & Lisa Congdon research, sketch out in pencil 3 ideas for your vinyl design.
- 2) Peer-assess and improve your designs.
- 3) Final design – on sheet.
- a) Using a sharp pencil, compass, ruler and/or stencils, carefully draw your final design in the 70 x 70mm square on the sheet.
- b) Carefully outline and shade your design in black pen.
- C) Write your initials, group and chosen vinyl colour on the sheet.

2



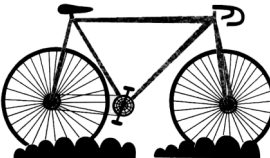
3



Peer Assessment

Look at the 3 designs and tick the appropriate boxes

- ☐ Are the designs imaginative, eye-catching and original?
- ☐ Are they high quality, clear design drawings?
- ☐ Are they suitable for the vinyl cutting process?
- ☐ Have they shown inspiration from Lisa Congdon’s work?
- ☐ Would the designs appeal to the intended target audience?



Challenge Can you personalise your design so it will appeal to your target market?

LO: To research and describe the work of Lisa Congdon

Who is Lisa Congdon?

Colours

Inspiration

Clients