Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8 Textiles Technology





**Safety Rules**

Why do we avoid doing the following when in the textiles classroom, explain in detail:

|  |  |  |
| --- | --- | --- |
| Action | What could happen because of this action? | What is a safety rule that could prevent this? |
| 1. Walking around the room with scissors pointing outwards.
 |  |  |
| 1. Working at a machine while talking or listening to others talking.
 |  |  |
| 1. Running around the room.
 |  |  |
| 1. Using an ‘unpick’ incorrectly. Eg. Sharp point facing the body.
 |  |  |
| 1. Two or more people at the one machine.
 |  |  |
| 1. Not putting the chairs neatly under the desk when they are not in use.
 |  |  |
| 1. Leaving pins on the table or the chairs.
 |  |  |
| 1. Leaving the iron on when it is not in use.
 |  |  |
| 1. Leaving the iron standing on the ironing board.
 |  |  |
| 1. Not setting the ironing board up securely.
 |  |  |

**Straight stitch lines**

* Sample done on cotton fabric, approx 10cm x 10cm square
* Rule 5 straight lines down the square in chalk
* In straight stitch, stitch along all the lines
* Reverse stitching at the start and end!
* Iron and attach

**Attach Sample Here**

**Overlocking**

* Sample done on cotton fabric, approx 10cm x 10cm square
* Use overlocker to overlock the 4 sides of the fabric
* Iron and attach

**Attach Sample Here**

**Overlocked Seam Finishes**

Seams can be either overlocked open or overlocked together, depending on what it is being used for.

Complete a sample of each type, using a 1.5cm seam allowance.

**Closed Seam:**

What is a closed seam?

Source:

**Attach Sample Here**

On what part of the shorts/skirt (if any) would it be best to use a closed seam? Why?

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Source:

**Attach Sample Here**

On what part of the shorts/skirt (if any) would it be best to use an open seam? Why?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hem:**

What is a hem?

Source:

**Attach Sample Here**

On what part of the shorts/skirt (if any) would it be best to use a hem? Why?

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**Design Brief**

This semester you will design and create a pair of shorts or a skirt using the pattern provided. You will **select and buy woven fabric (ie cotton)** to make the shorts or skirt. The shorts must also be suitable for a teenager to wear and they must include an elastic waistband (provided). Pockets require if making a skirt however optional if making shorts.

**Constraints (What can’t I change?):**

**Consideration (What do I need to think about or investigate?):**

**Mood Board**

Create a Mood Board to communicate your design ideas for your shorts or skirt. This should be made up of pictures, words, colours to give inspiration for your final design.

**Design Ideas**Sketch and label your final design idea including the following details:
-elastic
-pockets
- waist tie (if chosen)
-where a hem, open seam and closed seam are used
-any other necessary details

Design Idea

Justify (give reasons) why you have created this design. Think about how you design meets the design brief. **(150 words)**

**Product Management Plan**Use technology to document your production plan using the following format:

|  |  |  |  |
| --- | --- | --- | --- |
| **Day/Week** | **Steps** | **Image** | **Production journal of improvements and tips** |
| **MondayWeek 1** | 1. Identify the sizing needed for the shorts by looking at a commercial pattern and measuring the hip measurements.
2. Trace around the sized need using trace and toil to create a pattern
 |  | Pinning the trace and toil to the pattern would have helped to keep the pattern steady while tracing to ensure a more accurate pattern for the shorts. |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Evaluation**

Evaluate your process and the quality of the construction techniques you have used by answering the following questions:

**Describe your task:**

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How did you use your class time effectively?

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How effectively did you construct your shorts/skirt? (give a specific example of this)

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What problems did you have throughout the process and how did you overcome them?

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How have your sewing skills developed while creating your shorts/skirt? What new techniques and skills have you learnt and what were they used for?

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Did your shorts/skirt turn out how you originally imagined? Why/why not?

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What would you change or improve about the design of your shorts/skirt if you did the task again?

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**Self-assessment:**

On a scale of poor – excellent how well would you rate yourself on the following:

**Constructive use of lesson time:**

Poor Satisfactory Good Excellent

**Straight machine stitching:**

Poor Satisfactory Good Excellent

**Neat appropriately sized seams:**

Poor Satisfactory Good Excellent

**Effectiveness of design:**

Poor Satisfactory Good Excellent

**Overall final product neatness:**

Poor Satisfactory Good Excellent

**Assessment Criteria**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **WA** | **AE** | **E** | **BE** | **WB** |
| Techniques and considerations | Comprehensive evaluation of techniques needed to create the product. | Detailed evaluation of techniques needed to create the product | Evaluation of techniques needed to create the product | Limited evaluation of techniques needed to create the product | Attempted to show understanding of techniques |
| Generating and designing | Purposeful creation and adaptation of design ideas, making well-considered decisions | Effective creation and adaptation of design ideas, making considered decisions | Creation and adaptation of design ideas, with some relevant decisions made | Partial creation of design ideas, some decision making | Limited creation of designs |
| Project Planning | Comprehensive documentation of relevant steps to manage production processes | Detailed documentation of mostly relevant steps to manage production processes | Documentation of steps to manage production processes | Partial documentation of some steps. | Minimal attempts made to create production plan with limited documentation. |
| Producing and Implementing | Proficient and consistent production of effective designed solutions for the intended purpose independently and safely | Consistent production of effective designed solutions for the intended purpose independently and safely | Production of effective designed solutions for the intended purpose independently and safely | Guided production of designed solutions for the intended purpose safely | Assisted production of a partial designed solution. |
| Evaluation | Discerning evaluation of ideas and designed solution and processes | Informed evaluation of ideas and designed solution and processes | Evaluation of ideas and designed solution and processes | Partial evaluation of ideas and designed solution and processes  | Made limited statements or recount. |