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Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Level 1 Materials and Processing Technology 2025

**92015 Demonstrate understanding of techniques
selected for a feasible Materials and Processing
Technology outcome**

EXEMPLAR

Merit

TOTAL 06

LEVEL 1 MATERIALS AND PROCESSING TECHNOLOGY 2024 (EXTERNAL)

**92015 Demonstrate understanding of
techniques selected for a feasible Materials and
Processing Technology outcome
(4 credits)**

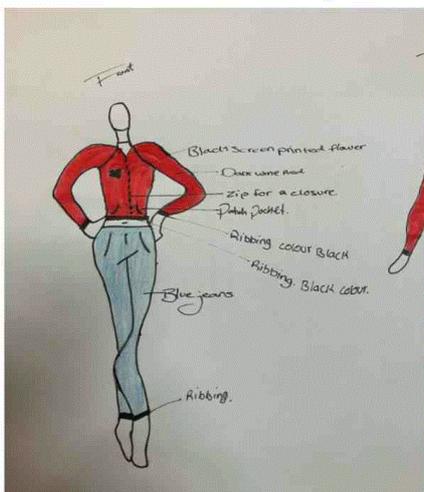
Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of techniques selected for a feasible Materials and Processing Technology outcome.	Explain techniques selected for a feasible materials and Processing Technology outcome.	Evaluate techniques selected for a feasible Materials and Processing Technology outcome.

INSTRUCTIONS

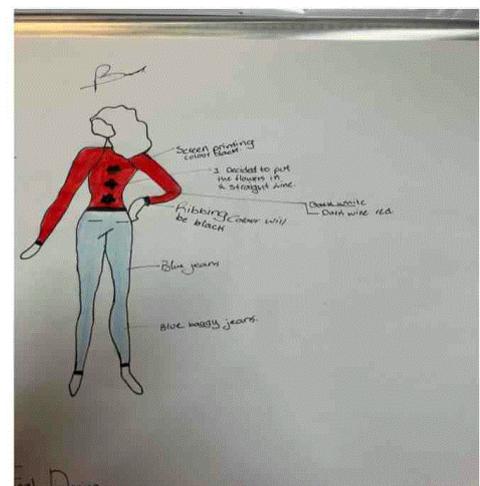
Respond to the following task about how you trialled and selected techniques for a feasible outcome.

Support your answers with text AND images. Your evidence should be presented in the form of a **slideshow**. DO NOT write no more than **1200 words** in total.

- a) Provide an image or images of your feasible outcome (final design drawing of your jacket)



Bomber Jacket Front View.



Bomber Jacket Back View.

Briefly describe your outcome (jacket), Final design specifications.

My bomber jacket must have an applied design of hand painting on it which will be completed by using fabric paint.

My bomber jacket will be finished at a high standard.

My bomber jacket must fit my end user, Harmeet requirements.

My bomber jacket has been taken into consideration the physical environment of the fashion shoot, the fashion shoot will now be taking place at [REDACTED] and not the Hamilton lake.

My bomber jacket must have a front zipper closure for warmth.

My bomber jacket must have a cuff closure of black ribbing around the cuffs and the waist.

Describe the physical & functional attributes of your product.

Physical attributes:

- *3 flowers at the back of the jacket.*
- *Wine red colour for the fabric.*
- *Black ribbing colour.*
- *Black zip colour.*
- *Applied design on the bomber jacket.*
- *Outer and inner colour of the bomber jacket.*

Functional attributes:

- *A front closure for warmth.*
- *Cuffs to make the wrists warm and cozy.*
- *Comfortable to wear.*
- *Breathable fabrics for the bomber jacket.*

Describe who the end user of your product (jacket) is.

The end user of this bomber jacket is [REDACTED], a 15 year old [REDACTED] school student. Her interests are going to the beach, playing volleyball and spending time with friends and family, [REDACTED] she also has a job at a coffee shop she works there on Thursdays, and mostly on Saturday and Sunday's she has been working there for the past 2 years now.

What is the intended environment/s for your product? (describe the places where your jacket will be worn)

My bomber jacket will be worn for checking the mail for taking the trash out on cold early morning it's easy to put on and take it off, it's easy access.

We will be having a photoshoot with our finished bomber jackets, we were first going to have our shoot at Hamilton Lake with the water, and the flowers with a nice green background but now we are going to have our photoshoot at [REDACTED] school, also with a green background but not as flashy as the hamilton lake.

b) Choose **TWO functional attributes** for your feasible outcome.

Functional attribute #1

- **Name & describe** the functional attribute you have chosen.

My first functional attribute was a front zip closure for my bomber jacket.

- **Describe** at least two techniques trialled for this functional attribute.

I trialled a front velcro closure for my bomber jacket. And the zip front closure.

- **explain how you decided** which of these techniques would be the **most suitable** for the feasible outcome (jacket).

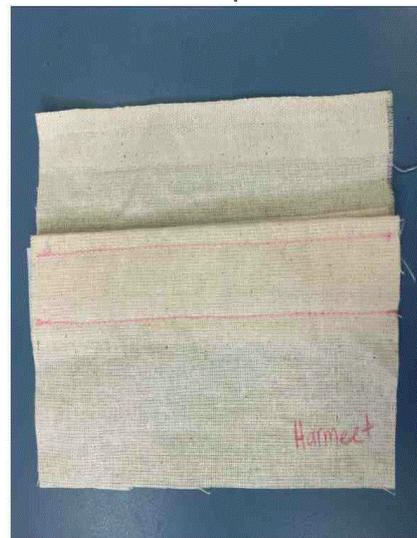
I trialled a front velcro closure for my bomber jacket, velcro is easy to stitch onto your jacket but it won't look as professional as a front zip closure, i didn't end up picking velcro because after a period of time the velcro will begin to lose its ability to stick together.
I trialled a front zip closure for my bomber jacket and i ended up picking that because a zip

Images of two techniques trialled for functional attribute #1

Front zip closure photo insert here.



Front velcro closure photo insert here.



Functional attribute #2

- **Name & describe** the functional attribute you have chosen.

My Functional attribute trial was ribbing for my jacket cuffs and ribbing at the bottom of my bomber jacket.

- describe at least two techniques trialled for this functional attribute.

I trialled an elastic cuff trial, and a ribbing cuff trial for my bomber jacket.

- ***explain how you decided*** which of these techniques would be the **most suitable** for the feasible outcome (jacket).

I trialled an elastic cuff trial for my bomber jacket but I didn't end up picking it because it didn't go well with my bomber jackets aesthetic, and I didn't like the look of how the elastic looked with a cuff, so i ended up picking ribbing, ribbing made the jacket look more professional and my end user of the jacket didn't like the elastic cuffs she said she liked the ribbing cuffs more.

Images of two techniques trialled for functional attribute #2

Photo of ribbing cuff insert here.



Photo of elastic cuff insert here.



c) How did you use at least **two different stakeholders' feedback** when choosing techniques related to your feasible outcome (jacket)?

Functional attribute # 1: Front zip closure.

Name of Stakeholder #1: [REDACTED]

Stakeholder feedback #1

I think that a front zip closure is better for my bomber jacket, because it looks better than a velcro closure and a zip just looks better, why I picked a front zip closure for my jacket was because I liked how it was easy to slide up and down which is pretty easy to do, I didn't pick velcro because I didn't like the look of it I mean it's pretty easy to sew/attach to the jacket but velcro wasn't for me and for velcro you only get a minimum range of colours while on zip you get a wider range of colours.

How and why did this feedback influence the selection of techniques?

Considering mine and the teachers (Mrs [REDACTED]) feedback we both came to a final conclusion of doing a front zip closure for my bomber jacket, we picked a zip closure because we both liked the look of it and it went well with my bomber jacket.

Functional attribute # 1: Front zip closure.

Name of Stakeholder #2: Mrs [REDACTED] (textiles teacher)

Stakeholder feedback #2

I think that the zip would look better on the front opening of your jacket rather than a velcro closure. This is because a zip is more appealing to the eye and you can buy it in a colour to match or contrast with the jacket fabric. Zips are also more functional over time (they last longer), as after a while, velcro would stop sticking and would not close the jacket. Even though it is trickier to sew in a zip rather than to stitch on velcro, I would still recommend using a zip for a more professional look and for longer lasting wear. Mrs [REDACTED] (Textiles teacher)

c) How did you use at least **two different stakeholders' feedback** when choosing techniques related to your feasible outcome (jacket)?

Functional attribute # 2: Ribbing cuffs

Name of Stakeholder #1: [REDACTED]

Stakeholder feedback #1

I think that ribbing cuffs look better than elastic cuffs because ribbing cuffs they give of more of a modern classical look to your bomber jacket than elastic cuffs, doing the ribbing cuffs was a bit difficult but it was worth it and I personally like the look of ribbing cuffs then the elastic cuffs.

How and why did this feedback influence the selection of techniques?

Me and the teacher (Mrs [REDACTED]) we both had similar opinions on the cuffs she and I both liked the ribbing cuffs over the elastic cuffs, she said it would look excellent on my final bomber jacket and it would match the vibe of it.

Functional attribute # 2: Ribbing cuffs.

Name of Stakeholder #2: Mrs [REDACTED] (textiles teacher)

Stakeholder feedback #2

Cuffs closure (elastic casing versus ribbing)

I think that ribbing would be the best choice for your jacket sleeves because it brings a more contemporary, modern look to your jacket, compared to an elastic casing cuff. Since you have chosen to put ribbing on the hem of your jacket, it will also make your jacket look more cohesive to have matching ribbing on the hem and sleeves.

Mrs [REDACTED] (Textiles teacher)

Merit

Subject: Materials and Processing Technology

Standard: 92015

Total score: 06

Q	Grade score	Marker commentary
One	M6	The candidate has explained the selection of techniques, and has applied both expert and client feedback to make decisions for the outcome. Discussion on improving feasibility of the outcome was limited.