



National Certificate of Educational Achievement
TAUMATA MĀTAURANGA Ā-MOTU KUA TAEA

Exemplar for Internal Achievement Standard

Technology Level 3

This exemplar supports assessment against:

Achievement Standard 91621

Implement complex procedures using textile materials to make a specified product

An annotated exemplar is an extract of student evidence, with a commentary, to explain key aspects of the standard. It assists teachers to make assessment judgements at the grade boundaries.

New Zealand Qualifications Authority

To support internal assessment

	Grade Boundary: Low Excellence
1.	<p>For Excellence, the student needs to efficiently implement complex procedures using textile materials to make a specified product.</p> <p>This involves undertaking techniques, tests and processes in a manner that economises time, effort and materials.</p> <p>This student has made track pants, a singlet top and a hoodie.</p> <p>This student has undertaken tests techniques and processes with economy as supported by the teacher to complete the 3 garments (1).</p> <p>For a more secure Excellence, the student could ensure that all of the techniques, testing and processes carried out were as efficient as possible.</p>



Student 1: Low Excellence
NZQA Intended for teacher use only





<p>Excellence The student has completed the task SKILFULLY and</p>	<ul style="list-style-type: none"> • I worked independently and efficiently throughout trailing and construction of the outfit • I completed the procedures accurately and independently and efficiently • My construction plan results in techniques being executed accurately in a manner that economises time and effort • I produced the outfit by the deadline 	<p>Annotated time management on your construction plan(include times)</p> <p>Physical presentation/teacher observation</p> <p>Photographic documentation/ annotations/ observation</p>	<p>1</p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>
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1 your work shows creativity in design. Your outfit meets the criteria for the Hokouni Fashion Awards and shows quality construction techniques and processes. Fantastic effort

	Grade Boundary: Merit
2.	<p>For Merit, the student needs to skilfully implement complex procedures using textile materials to make a specified product.</p> <p>This involves showing independence and accuracy in applying the selected techniques, tests and processes.</p> <p>A sample of work is not currently available at this grade.</p> <p>Typically, the student would accurately and independently trial and apply processes, fabrics and construction techniques. The student's construction plan allows the accurate construction of the garment. Testing checks that the garment has been constructed accurately.</p> <p>To reach Excellence, the student would demonstrate economy in the testing, trialling and construction of their garment.</p>

	Grade Boundary: High Achieved
4.	<p>For Achieved, the student needs to implement complex procedures using textile materials to make a specified product.</p> <p>This involves:</p> <ul style="list-style-type: none">• trialling and using feedback to inform the selection of techniques to make the product to size and accurately reflect the style• developing and applying an order of construction to make the product• undertaking appropriate tests to demonstrate that the final product meets specifications• applying techniques that comply with relevant health and safety regulations. <p>The student made a dress from lace, with complementary underwear.</p> <p>This student has developed and applied a construction sequence (1) and has undertaken some trialling of techniques (2) and testing of the garment (3). The student tested against specifications (not shown) and completed the lace dress (4).</p> <p>The teacher supported the use of techniques that comply with health and safety regulations (not shown).</p> <p>To reach Merit, the student could demonstrate that they have worked with independence and accuracy during the trialling, construction and testing.</p>

Fabric for Skirts,

The fabric which will be attached to the skirt will be the same as the bottom of the dress.

This will be at the arms, so it will be a lot shorter, it will just add a little more interest to the garment.

This is a lot more cleaner finish the seams like this double it over.

The lace will go above the elbow the other fabric will come down to the middle of the elbow.

bottom of the dress, pleating fabric for texture.

1

the length would be longer from below the knee - above the ankle.

by pleating the fabric it adds texture and volume to the bottom of the garment - also the dress is very simple and this will add texture + interest.

layering fabric on top of each other. To create more of an interesting garment than just lace.

to dense, want the fabric of the under skirt to be more transparent (lighter).

Testing for the back of the dress.

love the elegance of the fabric + look.

Make sure the loops are a little smaller so the buttons hold better.

a little close-up version of where these buttons would be located

complex technique one
Dress - working with lace ①

COMPLEX CONSTRUCTION TRIALS

Planned trial: *trialing whether the lace works with french seams and trialing the pattern whether it fits or not. A gain trialing french seams.*

Process	Test/check	Criteria for quality
Cut out the pattern, + sew together (french seams)	The pattern is a little small need to extend + work well + look good	Make sure the pattern fits and looks good on model
Adjust the pattern + cut it out again	The new pattern adjusted pattern looks good, added 2cm on sides.	Cut pattern out well, make sure it is big enough for the model.
Sew pattern together, with french seams	dress fits well, loose but still tailored and fitted.	Make sure the seams are well done, lines are straight
try on model - look at both together	looks good on model, and french seams add elegance.	it fits model, it looks quality.

add slit in the back
lace was a head with french seams
medium to work with french seams
had to use

Codes of practice
make sure you always cut away from you and that your hands are away from the needle! Always turn off machine when you are not using it.

Evaluate for aesthetics and fitness for purpose
trial went well, had to adjust the pattern, but its even, and works + looks like my previous design concept. The quality of french stitch is very strong and elegant, good for lace fabrics.

Evaluate efficiency, independence, quality
The trial went well, the quality of the seams and overall garment was at the expected level. I used the technique of french seam, which was best for the lace in the future. fabric really suited the trial, good + easy to use.




Dress ②

SEQUENCED PRODUCTION SEQUENCE



description of the step or processes	materials or parts needed	equipment	safety procedure	photo
Cut out the pattern for trial. (cut out on trial fabric)	• pattern • trial fabric	• scissors • pins • fabric	• make sure there is enough space pins are out of the way.	①
Sew together trial number one.	• Thread • fabric	• sewing machine	• make sure the machine works + hands away from needle.	④ + ③
Adjust the trial pattern + cut out pattern	• pattern • paper (to make new pattern)	• scissors • pins • fabric • marker	• always pin away from you, and cut pattern away from yourself.	②
Cut out the second trial (with adjusted pattern)	• trial fabric	• scissors • pins • pattern	• cut the scissors away from yourself.	⑥ + ⑦ + ⑧
Cut out trial two pattern onto real fabric.	• lace fabric	• scissors • pins • pins	• pin away from yourself. • also cut away from yourself + towards.	⑩ ↓ ⑫
sew together the actual dress	• cut out dress pattern • lace fabric	• sewing machine	• machine is all set up + sew away from yourself	⑫ ↓ ⑭

Dress, ③

← sleeve of main lace dress







↓ heamed the shear.






• finished neckline with backing fabric

↑ 2cm apart

↓ buttons the back to the main lace

↓ took away the shear stitches because they didn't add anything to the garment

↓ end result of my design.

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→ working with lace and shear together - complex technique one.



Face blurred to protect student identity.

④

	Grade Boundary: Low Achieved
5.	<p>For Achieved, the student needs to Implement complex procedures using textile materials to make a specified product.</p> <p>This involves:</p> <ul style="list-style-type: none">• trialling and using feedback to inform the selection of techniques to make the product to size and accurately reflect the style• developing and applying an order of construction to make the product• undertaking appropriate tests to demonstrate the final product meets specifications• applying techniques that comply with relevant health and safety regulations. <p>This student has made a skirt and top.</p> <p>This student has defined the specifications for the garments (1) developed and applied a construction sequence (2) and has undertaken some trialling of techniques (3) and testing of the garment (4). After trialling, the student has produced a completed skirt and top (5).</p> <p>The teacher supported the use of techniques that comply with health and safety regulations (not shown).</p> <p>For a more secure Achieved, the student could provide further evidence of the outcome and how it meet the specifications.</p>

REVISED BRIEF AND SPECIFICATIONS	
Context	Fashion competitions are an opportunity to innovate and challenge conventional boundaries of contemporary fashion.
Given brief	For this brief you have the opportunity to research and design an innovative outfit that will be selected for prototyping for a chosen fashion competition.
Client	my client is Ruiha Johnson
Stakeholders	they would be Ms Clement, my peers, parents and fabric stores
Design Specifications Must have some sort of drape Has mesh, be opaque and transparent Jet pockets are to be included	
Garment Specifications Must be a high waisted skirt • crop top • has complex techniques (at least 2) • Velvet material • mesh fabric • concealed zip	

SEQUENCED PRODUCTION SEQUENCE (BOTTOM GARMENT)			
description of the step or processes	materials or parts needed	equipment	safety procedure
Lay out the pieces of the skirt pattern on the velvet	Velvet fabric and skirt pattern	• Scissors • Pins	-Be attentive when it comes to pinning garment and cutting them so that you don't cut yourself as well as you're not cutting the wrong piece
Sew in the darts (2 in the skirt front and 4 in the skirt back)	Front and back skirt pattern	• Ruler • Chalk • Sewing Machine • Pins • Thread	-Ensure that your hair is tied back away from the machine so that it doesn't get in the way when you're sewing closely
Sew on insert pockets to the skirt front then under stitch along the pocket mouth so that it stays flat and in place. (Iron down for neat finish)	Insert pockets pattern made out of velvet and mesh.	• Iron • Sewing Machine • Pins • Scissors • Thread	- When sewing make sure that your station is clear and nothing will get in the way of your sewing - Everything is in the correct place and position
Sew small jet pocket onto one of the insert pockets	All the pieces for your jet pocket	• Sewing Machine • Pins • Scissors • Thread	-Ensure that the pins are facing the right way so that 1: it doesn't prick you when you're sewing along your garment and 2: the sewing needle doesn't collide with the pin causing it to break.
Sew front and back of the skirt together leaving a slit in the back for the concealed zip to go into then over lock side seams.	Skirt front and the skirt back	• Pins • Scissors • Sewing Machine • Over locker • Thread	
Attach elasticised band at the top of the skirt waistline.	Elastic and the band is required as well as the skirt	• Pins • Scissors • Sewing machine • Thread	Ensure when sewing the band into the velvet to not pull on it too much for you might pull too hard and the band would snap back

* Photos are throughout the book. Flip for more

Process	Test/check	Criteria for quality
Fusing the jets - with the strip of interfacing, fuse it on centre back.	Fusing the jets went well. Interfacing stuck on firmly onto the wrong side of the velvet.	Ensure to have the right amount of interfacing for each lug and to iron it for an appropriate amount of time, just enough so that the interfacing is well stuck on.
Mark with tailors chalk where you want the jets to sit leaving 1cm either side to show stitching line.	Everything went well at this stage for all the measurements and sewing was accurate	All measurements are accurate and stitching is straight.
Press the jets in half and mark along the edges with a 1cm seam then pin two rows making sure where it opens are facing each other.	The jets were both the same size and were properly pressed and pinned in half and so was easy to create a straight 1cm seam for me to follow when sewing.	When pressing the jets in half check that they are even before sewing and that the seam is exactly 1cm and that both jets are facing the correct way.
Check that both rows of stitching line up and are parallel	When checking the rows with a square ruler, everything was lined up and parallel to each other.	Ensure when checking the rows to use a square ruler for a more accurate reading.
Cut into the pocket mouth from the centre leaving a 1.5 cm gap at both ends to cut the corners making a triangular shape.	This stage of the process went well for I did not cut the jets and saved the right amount at each edge to cut for the corners making an even triangular shape.	Make sure that when cutting the mouth to be mindful of where the blades are and try not to cut into the jets. And have the exact same gap at each end for even corners.
Turn the jets to the wrong side and sew the lugs	Went smoothly and the result was tidy.	That everything is lined up and sew along the bottom of the triangle.
Codes of practice <ul style="list-style-type: none"> • Ensure that at all times I tied my hair back so that it doesn't catch into any equipment and doesn't get in the way of work • Station is clear and that you have all the right equipment 		
Evaluate efficiency, independence, quality Because I have made a jet pocket the previous year I was able to be independent and worked efficiently as well as only asking for a few reminders on how it produced. The quality of the jet pocket was of a good standard considering it was made with difficult material and it was a rather small pocket so I had to be more attentive and careful.		

PHOTO EVIDENCE

Handwritten labels for the photos:

- mesh & velvet panels
- shoulder tape
- concealed zip
- Regan sleeve
- Insert 3 jet pockets

SKIRT TRIAL

4

Band Trial went well, was neat and straight.

Next time over lock in same colour

Techniques: Elasticised band and concealed zip.

The front is slightly higher than the back. (Not intended outcome but I like it so, going to keep it.)

slightly loose on the model, would have to take in 3 inches

Flip to see more

would have to somehow make raglan sleeves

would extend the skirt more so it doesn't look like a pencil office skirt.

Clean up hem, by overlocking then top stitching

Good amount of drape at the back

side view of the whole outfit.

might make the sleeves shorter or cuff them.

Face blurred to protect student identity

5

Face

	Grade Boundary: High Not Achieved
6.	<p>For Achieved, the student needs to Implement complex procedures using textile materials to make a specified product.</p> <p>This involves:</p> <ul style="list-style-type: none"> • trialling and using feedback to inform the selection of techniques to make the product to size and accurately reflect the style • developing and applying an order of construction to make the product • undertaking appropriate tests to demonstrate the final product meets specifications • applying techniques that comply with relevant health and safety regulations. <p>This student has made trousers and a top.</p> <p>This student has evidence of some trialling of techniques (1) and materials (2) and has undertaken some tests to demonstrate that the product meets specifications (3).</p> <p>The teacher supported the use of techniques that comply with health and safety regulations(not shown).</p> <p>To reach Achieved, the student could more effectively show how the garment met the specifications and have an order of construction for the garment.</p>

#1

PANNELING COMPLEX TECHNIQUES

From the very beginning I was interested in this technique. Structured, geometric, faceted shapes and lines is what I am also proud of. I wasn't very complex, my research was easy putting them together and I was very complex skill. I am also proud of my choices as the triangles reflect my idea.



TRIALS

→ The look when it has been iron. Front view

⊗ Practicing and perfectly my overlocking skills

→ Overlocked with both black and white.

⊗ Practicing my straight lines while taking my time.

→ 1cm line sewing

#2

USE OF DIFFICULT FABR TECHNIQUE

ORGANSA

had a way to work on to connect cotton + organza



⊗ Difficult because it may be very easily when sewn

SPECIAL FEATURE

LINING

SILK

Because I am not as experienced as some other people (because I haven't sewn in a while) I don't feel that confident with some materials. These two materials are challenging me as they are a slipping type of material to work with.

of 4 top I have total of 4 different sorts of material in my top alone. This proved to be very complex for me and it wasn't easy.



ZIPS

A closed zip that is invisible and just looks like a seam.

Trailing on the size to make together.

Working out the measurements for the back of my top. Work out where the zip is going.

PANTS

Pocket is the same color as the panels.

Straight down from the hips.

Small opening where the pocket can be seen.

Tight around the bum gathered with darts then flows down.

TOP

The top is a stylish simple yet pleasant to look and wear with soft lining against the skin.

Slinky

They are sophisticated smart high waisted dress pants that are made out of very soft comfortable material. Black

PANTS

EVALUATION

Meeting the Specifications in Brief.

When it comes to meeting the brief I think my design was contemporary fashion while being challenging. Working with challenging materials and challenging design elements I have demonstrated many fashion elements being the use of colour, pattern and the use of complex techniques. I would say my 'Night life' theme didn't quite make the brief. My design is a nice sophisticated outfit but not necessarily Red Carpet worthy.

My materials worked well together to fit in with an earthy type tribal feel. With one being a pattern and the rest bold colour it was simple but with a exciting element which tied my two garments together. Also the silk did the same thing.

EFFECTIVE PROTOTYPE