

# Indicative A response

## Circular looms

**Year 5**

**Technology**

## Section 1. Design brief, research, design and planning

### *Analysing the Design brief*

Who will be your client?

*I am going to make something for my mum. It's her birthday soon.*

What product are you going to make?

*I am going to make her a hat.*

What features does the product need to have?

*It needs to be made of wool to protect from the cold, it has to have an embellishment on it, and it needs to change colour or have a knit/purl pattern.*

What other features would the client like to see on the product?

*Mum said that she wants it made in purple. She wants a brim on the hat in a different knitting stitch, and a tassel or a pom-pom for the top. Or maybe a button.*

Ideas



(Image: Turn A Square Hat, a Creative Commons: Attribution 2.0 Generic licensed photo from >>>Wonder Mike<<<'s Flickr stream, accessed May 11, 2009)



(Image: in honor of learning to ski, a Creative Commons: Attribution 2.0 Generic licensed photo from snickclunk's Flickr stream, accessed May 11, 2009)



(Image: a hat for drew, a Creative Commons: Attribution 2.0 Generic licensed photo from kathryn\_rotondo's Flickr stream, accessed May 11, 2009)



(Image: My hat, a Creative Commons: Attribution 2.0 Generic licensed photo from Linda N.'s Flickr stream, accessed May 11, 2009)



(Image: erin's birthday hat, a Creative Commons: Attribution 2.0 Generic licensed photo from \_overanalyzer's Flickr stream, accessed May 11, 2009)



(Image: Black sea hat beanie daylight shot, a Creative Commons: Attribution 2.0 Generic licensed photo from Allerna & Glen MacLarty's Flickr stream, accessed May 11, 2009)

## Design

### Idea



### Notes

*This design has a pompom as an embellishment. It uses stripes and a rolled brim as interesting construction features.*

### Advantages

*Beanies appeal to a wide range of clients.*

*It keeps the head warm from the cold.*

*The pompom hides where the gathering is.*

*Pompoms are easy to make and attach.*

*Rolled brims require the same stitch as the body of the hat.*

### Disadvantages

*Extra time is needed to knit the extra part to roll up for the brim.*

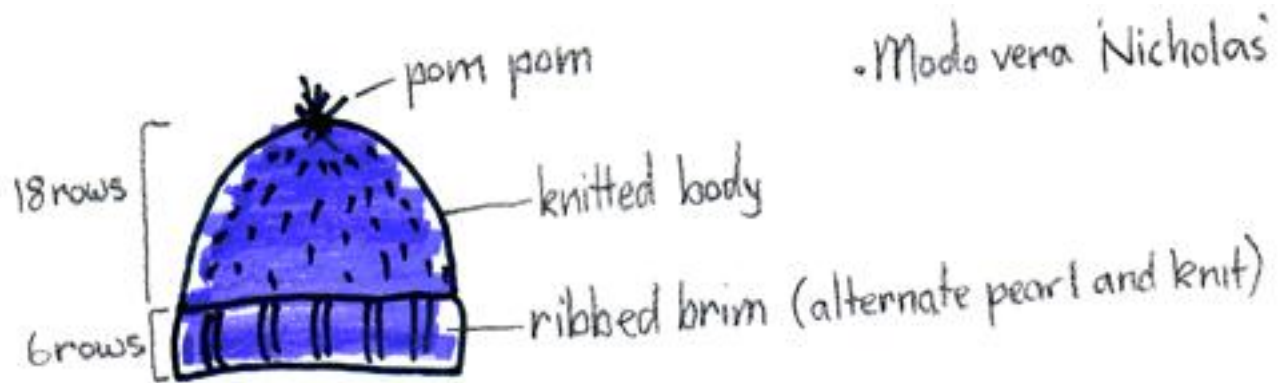
This design meets the design brief because it:

- is the kind of hat that my mum would wear gardening or to the shops
- suits older people
- has stripes and a rolled brim as interesting construction features
- uses wool which is good at keeping heat and is comfortable and durable
- has a pompom as an interesting embellishment
- is an original design because I incorporated the stuff that my mum wanted
- will protect my mum's head from the cold
- will be constructed on a circular loom.

### Client feedback checklist

Questions about the product	Yes, No or Unclear	Explain why or how?
Does it appeal to you?	Yes	It is a very nice design. It's my favourite colour too.
Would you wear it?	Yes	I would wear it when I am gardening.
Are the construction features suitable?	No	I don't like the rolled brim, but I do like brims in a different stitch to the rest.
Do the embellishments enhance the look?	Yes	I like the pompom.
Other comments or suggestions	The choice of wool is suitable. It's very good at insulating and will keep my head warm. It will protect me from getting a cold.	

## My final design



The final design has a pompom as an embellishment. It uses built-in brim as an interesting construction feature. I think the brim would be made out of a rib stitch (alternating knit and purl stitches). I have some Modo vera "Nicholas" wool that my mum got from the shops. I estimate that a brim of six rows and body of 18 rows will fit my mum's head.

## Planning

### MATERIALS

- ☐ What is suitable for this product?      ☐ What is available?

*A thick wool of more than 8 ply is suitable for a beanie.*

*The nicer thick wools tend to be more available in the winter season.*

### TOOLS

- ☐ What do I need?      ☐ What is available?

*Access to the largest circular loom.*

*Four sizes of looms are available.*

### TECHNIQUES

- ☐ What new skills do I need to learn to use these materials?

*I do not need to learn any new skills to use the wool that I have selected.*

- ☐ What new skills do I need to learn to use these tools?

*I already know how to knit stitch, I need to learn how to do purl stitch.*



**Production plan****MATERIALS**

- purple yarn (Moda Vera "Nicholas")

TOOLS	SAFETY RULE
○ red knitting loom	Keep fingers away from the sharp parts.
○ hook tool	Thread with caution.
○ tapestry needle	Put the needle in the pin cushion when not being used.
○ scissors	Don't run with the scissors.
	Keep fingers away from the sharp parts.
	Carry scissors with the sharp part pointing to the floor.
	When they aren't being used, keep them on the table.

**Production plan**

Step	Description	Changes made during production
1	<p><i>Casting on</i></p> <p>1. <i>Cast on to the large red loom.</i></p>	
2	<p><i>Making the brim</i></p> <p>2. <i>R<sub>1</sub> – Knit</i></p> <p>3. <i>R<sub>2</sub> – Purl</i></p> <p>4. <i>R<sub>3</sub> – Knit</i></p> <p>5. <i>R<sub>4</sub> – Purl</i></p> <p>6. <i>R<sub>5</sub> – Knit</i></p> <p>7. <i>R<sub>6</sub> – Purl</i></p>	
3	<p><i>Main body</i></p> <p>8. <i>R<sub>7-24</sub> – Knit</i></p>	<p><i>I needed to add a few more rows to the main part of the beanie for it to fit mum's head.</i></p>

**Production plan**

Step	Description	Changes made during production
4	<p><i>Cast off and gathering</i></p> <p>9. <i>Cut the yarn, leaving a 30 cm tail.</i></p> <p>10. <i>Thread the tail onto a tapestry needle.</i></p> <p>11. <i>Put the tapestry needle through each of the loops on the loom.</i></p> <p>12. <i>Remove the loops from the pegs.</i></p> <p>13. <i>Gather the fabric.</i></p> <p>14. <i>Tie the ends securely.</i></p>	
5	<p><i>Making and attaching the tassel</i></p> <p>15. <i>Make the pompom and attach to the top of the beanie.</i></p>	

## Section 2. Production

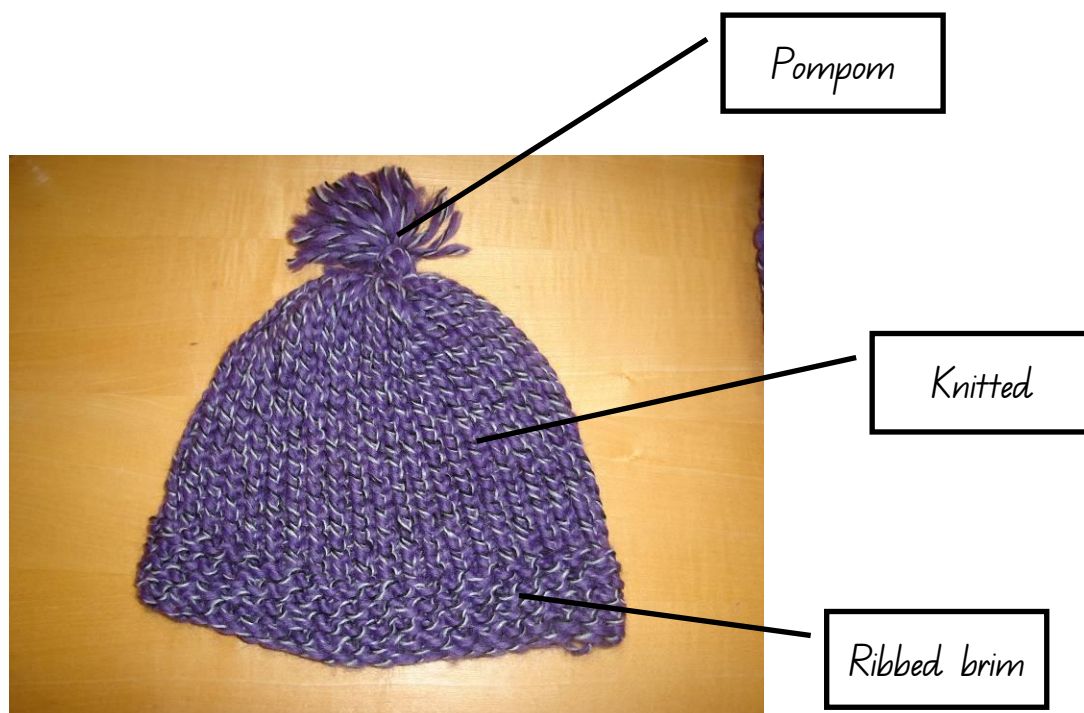
Other production notes:

30 minutes — cast on and make the brim

2 hours — knit the main part of the beanie

1 hour — cast off and gather the beanie

10 minutes — make and attach the tassel



## Section 3. Evaluation and reflection

### Evaluation

Question	Your answer
Does the product meet the design brief? Why/why not?	<i>The final product met the design brief as it has interesting construction features with a brim made of rib stitch, a pompom as an embellishment and using thick wool means that it protects against the cold weather. It also appeals to the client.</i>
Why are the materials used suitable for the function of the product?	<i>The thick wool is an excellent insulator against the cold. It is more effective than wools that are a thinner ply.</i>
What worked and what did not work as intended?	<i>The pompom looks more like a tassel. The ribbing didn't work out how I designed it for the brim. I guess I was meant to alternate knit and purl stitches in the same row e.g. knit one, purl one.</i>
Are you happy with the embellishments and construction features? Why/why not?	<i>The brim looks really good in the different knitting stitch. I'm not happy with the pompom because it might fall apart.</i>
Make recommendations for future productions — what might you do differently in your production plan?	<i>When I make a beanie in the future, I will measure how big the person's head is before I start the beanie and figure out many rows I will need to knit. I will also do the brim properly.</i>

## Reflection

### Strengths

What are the best aspects of the design or the learning process?

*The design will appeal to a wide market, from adults to young children. It is simple in construction. The brim looks good and was easy to do.*

### Weaknesses

What did not work so well with the design or the learning process?

*I should have completed more work in planning the design so that it was big enough for mum's head. The pompom should be made a bit stronger and on a pompom maker.*

### Opportunities

What might you do differently in your design or the learning process?

*Next time I will alternate the purl and knit stitches in the same row when doing the rib stitch for the brim. I might also try a different stitch pattern for the body. I found one that makes a diamond pattern.*

### Threats

What potential problems are there with the design or the learning process?

*I need to wait to see how long the beanie lasts using the thick wool. I might need to use a different brand of wool.*