HSC 2002 - Textiles and Design

Major Textiles Project

TEXTILE ITEM/S FOCUS AREA: Apparel Band 4/5 Sample 1



DETAIL 1



DETAIL 2



detail 3

APPAREL

Consideration given to aesthetic aspects by coordinating specialised fabrics, fringe and decorative techniques.

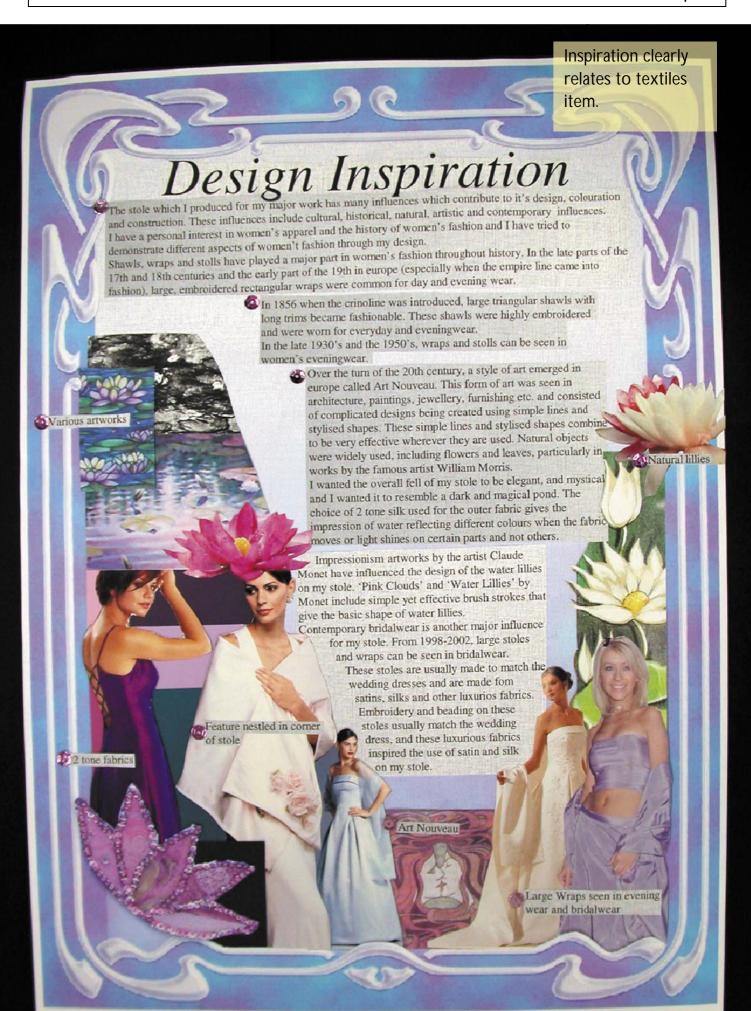
A range of intricate fabric surface techniques used in leaf shapes, detail 2.

Inappropriate

weight of surface decoration, makes outer fabric hang lower, detail 1

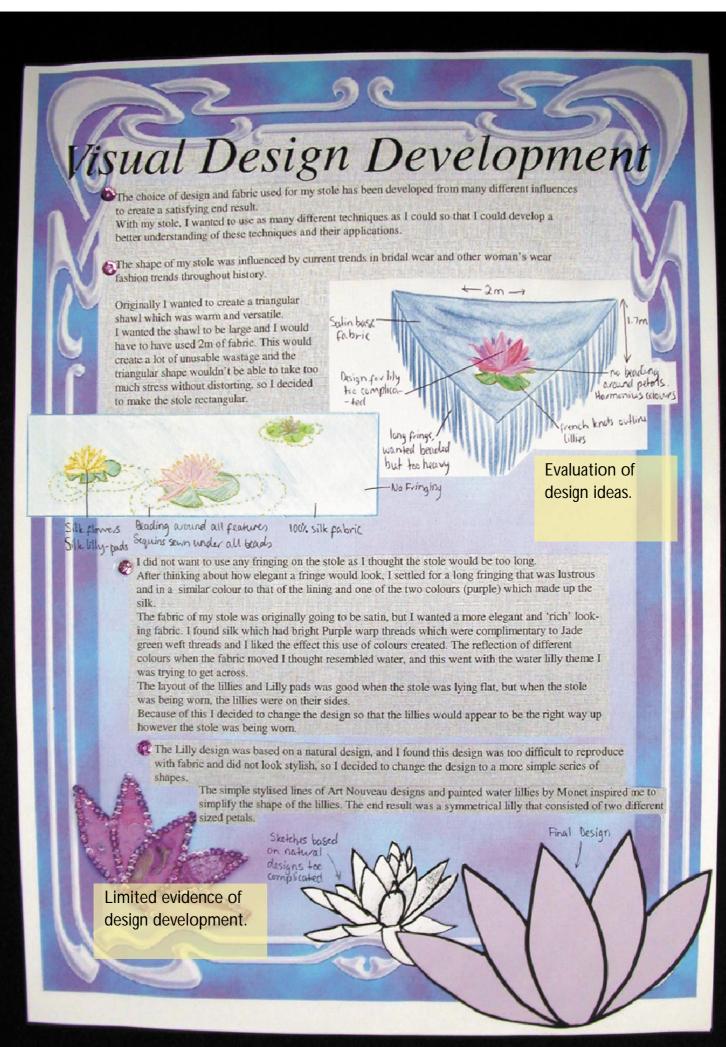
Inaccurate

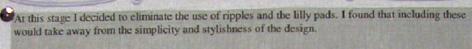
spacing of fringing, detail 3



Band 4/5







I used applique and beading to attach the lillies to the silk because of the simple lines which could be achieved using this technique. Beading is an effective eye catching technique and beading around all of the lilles makes the flowers stand out and gives the impression of richness.

Functional aspects of my design include the fabric chosen and the size and shape of my stole. The lining of the stole is 100% Rayon. Rayon is a poor conductor of heat (that is, insulates and keeps in the heat). This in turn keeps the wearer warm, which is a feature of stoles and wraps. The use of silk as the outer fabric does not contribute much to the warmth of the garment as it is not a very tight weave.

My stole is quite large, and can be wrapped around the upper body to keep the wearer warm. The lining chose is smooth and does not irritate the wearer.

The metallic stitching which borders the entire stole is both functional and aesthetic. The stitching helps to hold down the edges of the stole so the lining does not roll over the silk and become visible

The rayon used for the lining was a poor choice of fabric to use with silk. The rayon is much heavier than the silk and made the problem of the lining 'rolling' over the silk.

The fringing is also held in by this stitching. The stitching creates a subtle sparkle from a distance and up close it finishes off the design of the stole by creating a border, making the stole similar to a framed artwork.

Aesthetic aspects of my design include the techniques used on the petals for each of the lillies, positioning of the lillies, the fringing, fabric choice, beading and the decorative metallic stitching which borders the stole.

Colours used on the lillies are harmonious and this combined with the use of lustrous fabrics and threads attracts interest. The silk and rayon both have a luxurious drape which appealed to my theme of elegance and a magical pond.

The lillies are positioned in a symmetrical way, which helps to create a sense of simplicity. They lillies are outlined with beads and sequins in harmonious colours to colours used on the petals.

This beading and the inclusion of sequins again attracts the eye and creates emphasis on the ends of the stole.

The positioning of the lillies creates an emphasis on the ends of the stole, taking the eye to the knotted fringing. This emphasis combined with the ling fringing slims the wearer.

The silk outer fabric appears to be mostly green, and the silk, lining and fringing complement each other creating an interesting effect.

Harmonious Colours

Michigan 155-6W

Ontario Voier 195-7A

Razzmatazz 155-404*

Describes and lists functional and aesthetic aspects with limited analysis.







Description

Rectangular lined reversible silk stole with fringing. Stole features 4 small stylised lillies, one in each corner, two of which are pink, and the other two are voilet.

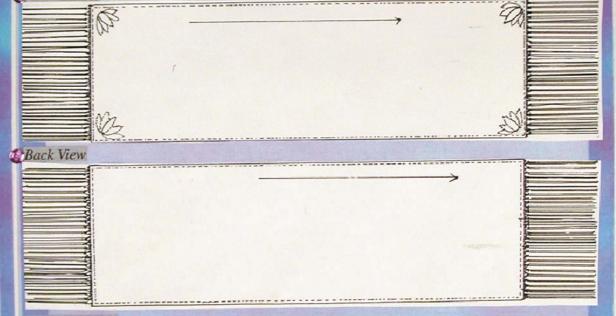
Lillies are symmetrical and consist of five petals each which are assembled using various construction and surface decoration techniques including; machine and hand embroidery, marbling, smocking and

Assembled lillies are appliqued onto outer silk and are outlined with beading and sequins. Stole is finished on ends with a long fringing which is knotted to create an interesting addition. Metallic straight stitching borders the entire stole.

Vogue pattern no: 7710 pattern piece 4 was used as the basis for the shape and size of the stole, was modified to create an end size of 182cm in length (not including fringing) and 54cm in wid Pattern pieces for lillies and guide for fringing were designed by me.

Production drawing is of an elementary standard.

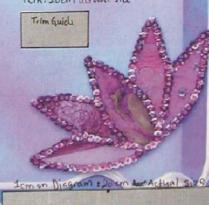
Production Drawing



Pattern Pieces Retals - 1 cm: 2 cm auctual size



1 cm: 20cm actual size





Costing

Item	Cost	Quantity Used	Total \$
Fabrics			
100% Rayon Plain Weave	3.99p/m	2m length, half width	3.99
100% Silk Plain Weave	22.95phu	2m length, half width	22.95
Nylon Netting	1.59p/m	0.110	0.16
Silk Plain Weave	16.37p/m	0.05m.	0.82
Sick Plain Weave	16.00p/m	0.05ms	0.80
Shot Silk	12.95p/m	0.05m	0.64
Sitk Like Polyester	8.65p/m	0.Im	0.87
Dischess Satin	10.95pm	0.05m	0.55
Notious			
Gutermann throad col. 463 (and) col. 291	1.67p/100m	5m and 50m	0.92
Mestler Metrosene Plus thread col. 958& 161	1.20p/100m	60m	0.72
Metallic Embroidery Therad	8.14p/1000m	6m	0.49
Scaniilk 40	6.49p/100m	10m	0.65
DMC embroidery thread Pink, voilet	1.70p/8m	Em pink, 3m voilet	2.21
Birch polyester thread	1.00p/1000m	100m	0.10
Wadding	nd .	0.05	nil
Beads (purple) and Beads (light Posple	1.00p/1000pcs (pieces)	300 purple, 300 light pur- ple	0.60
Sequins (light pink)	0.33р/100рся	300	0.99
Sequine (dark peak)	1.00p/1000pcs	300	0.30
Plastic Sequins	ad	3	nil
Solvie	1.12p/m	4m	4.48
16" "Silk Fringing" 100% Rayon	15.25p/m	1.2m	18.3
		Total	\$60.54

Order of Construction

Cutting

Lay out lining and outer fabric right sides together with selvedges parallel

Pin pattern printed side up on layered fabric and cut out.

Petal and Lily construction

Pleat fabric for petal 1D and smock (using smocking machine) petal 3C Cut out required fabric shapes for petal construction. Layer solvie, wadding, tulle, satin (optional), marbled polyester (optional), polyester (optional), marbled silk (optional), silk (optional), lace (optional), sequins (optional), tulle (optional) and solvie and secure in large embroidery hoop. Pin petal guides to appropriate areas of fabric and straight stitch around petal guides. Release from hoop and cut out petals, careful not to cut through straight stitching.

Machine and hand embroider designs onto petals following petal design pattern pieces.

Satin stitch around individual petals to create a neat finish.

Cold hand wash with no detergent to remove solvie.

Construct petals into lillies according to diagram.



Stitch outer pairs of petals together





Pin constructed lillies into position on outer fabric and stitch on using machine straight stitch.

Sew on beads and sequins around lillies, knotting thread after every 3 beads.

Stole Construction

To construct stole, pin lining and outer fabric (with embellishments attached) right sides together.

Straight stitch 1.5cm from edge down both longest sides of stole and overlock edges.

Turn right side out and press edges so outer fabric and lining sit

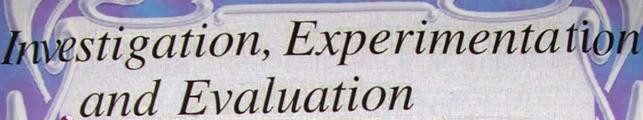
On ends of stole, fold under 1.5cm of lining and outer fabric. Place fringing between folded layers and pin in position.

Starting from bottom left corner, straight stitch around whole stole, approximately 5mm from all edges. Do not reverse.

Darn start and finish of stitching neatly and securely

Fringing Follow design on diagram for knotting fringing





The outer fabric which T chose for my stole needed to be elegant, colourful and luxurious. T chose to use a plain woven silk which has been woven using different coloured warp and weft multifilament yarns. The fabric produced reflects both of these colours when it moves.

After I had purchased the fabric for the outer layer I washed the silk to remove the finishes which had been applied to make the fabric more attractive for sale.

When washing there was a strong odour and a lot of green dye ran out of the fabric.

After washing, the fabric had shrunk approximately 3cm on all edges and was much softer.

The Rayon I purchased was also a plain weave assembled from multifilament yarns and had been sized (to make it more presentable for sale). I washed the rayon to remove excess dye and the rayon did not shrink as much as the silk.

The fabrics I used in my stole are predominately Silk, Polyester and Nylon.

All the fabrics I purchased I pre washed to ensure that no dyes ran when the garment was used and first washed.

Drape was an important consideration in the choice of outer fabric.

I tested the drapeability of several fabrics, including silk and found that silk had the best drapeability

A description of how I carried out the experiment is below.

- 1. I cut out a 10cm by 40cm strip of Rayon, Duchess Satin and Silk.
- I then placed each of the fabrics over the edge of a table so that part of the strip was hanging down
 the side of the table.
- 3. I then measured the angles formed by the fabric falling over the edge of the table.

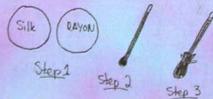


Results indicated that Duchess Satin had the largest angle (indicating poor drapeability), Rayon had smaller angle and silk had the smallest angle and the best drapeability.

This further justified my decision to use silk as the outer fabric.

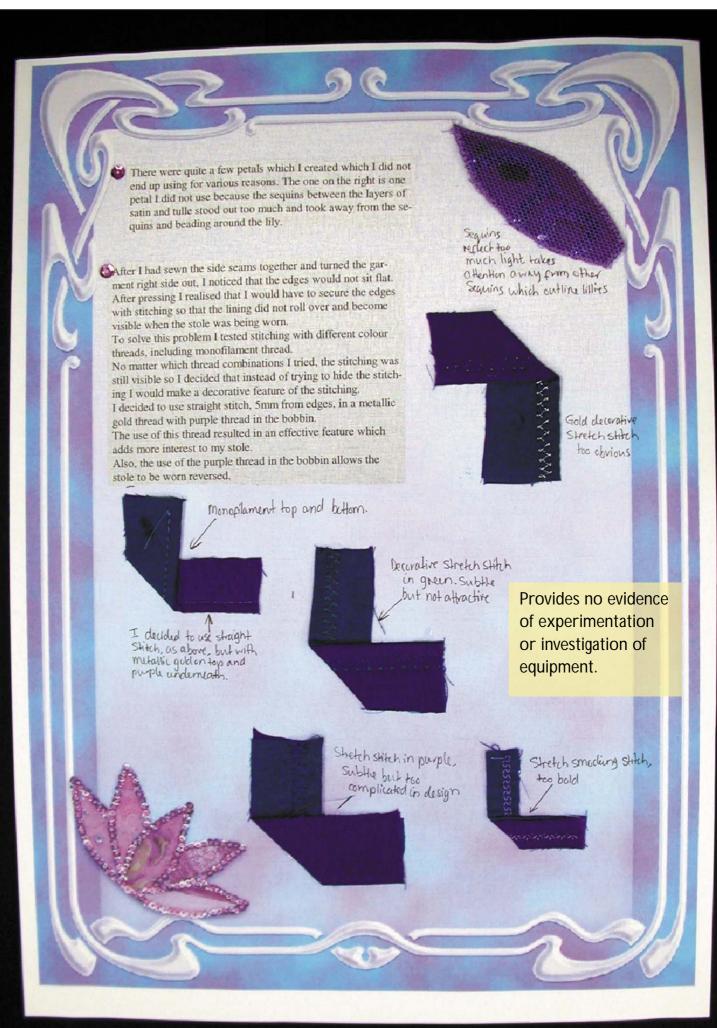
- The lining for the stole needed to be a good insulator of heat. Originally I wanted to line the stole with silk, but I thought that Rayon would be cheaper and warmer.

 To test the heat conductivity of the rayon I carried out the following experiment.
 - 1. I cut out 2.8cm circles of fabric. One silk, the other rayon.
 - 2. I then placed a thermometer in boiling water and removed it when it reached 100 degrees celcius.
 - 3. I quickly secured the silk to the end of the thermometer and recorded how quickly the temperature
 - 4. I repeated steps 2-3 again but used rayon instead.



After 30 seconds of the silk covered thermometer being out of the water, the temperature had dropped to 86 degrees, but after 15 seconds of the rayon covered thermometer being out of the water, it had only dropped to 92.





Evaluation

- The materials which I have used in my stole I think perform well according to their intended end use.
- The outer fabric of the stole needed to be exquisite, stylish and effective, and the silk I chose I think is a combination of those three. I chose the silk because of it's high lusture which was important to create a luxurious,

stylish and elegant look, and because of the good drapeability of silk (as demonstrated in the experiment for drapeability).

Rayon is a good insulator of heat, and this was an important property which was required for my stole. Through experimentation I justified the use of Rayon for the lining of my stole on the basis that it is a good insulator of heat.

Also because the rayon was a tightly woven fabric, this also helps to make the rayon a good insulator of heat.

Threads and notions I used are mostly made from man made fibers, and they fulfil their purposes.

The polyester thread used to stitch the stole together has good tensile strength which is a property which was required for the chosen thread.

Other threads I have used in embroidery (machine and hand) have high lustre which was a property which was required for them.

- The long trim which I used has a high lusture and is smooth and elegant and suited it's end purpose, although being smooth and lusturous, the knots sometimes came undone if they were not tied tightly enough.
- I used sequins and beads on my stole in order to attract attention to specific areas of the stole.

I think that the positioning and colouration of these sequins, combined with the metallic content and shape of the sequins successfully catches the eye and creates interest.

Poor description of properties of fabric, yarn and fibre.