1st YEAR

Digital & Material Process B2

Digital Portfolio

Submission deadline date:
Monday 11th May 2020
9:30am

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P 1909499

B2 – Digital & Material Process

M4X02220

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B2 Digital and Material Process link

https://pin.it/68u7B0d

B2 Research & Sketchbook link

https://pin.it/79AaTbH

Copy & paste links

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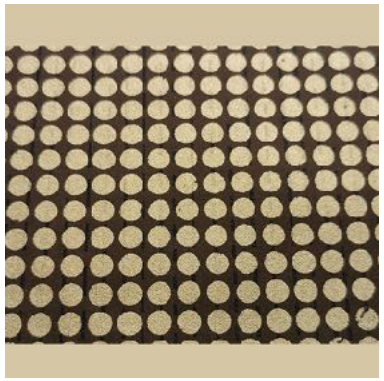
B2 - Material Process - Preparing backgrounds for colour separation screen print

Substrate: Wallpaper lining
Process: 1.Brushed on emulsion paint in Good Home Mayfair, Cordoba & Chester
2. First layer screen print - ad hoc sectional print with dot screen using 15% Metallic gold binder
Intention: Create depth of wallpaper background with
metallic touches to highlight behind design.
Problem: no further access to print room (Covid19)
Improvement: Dilute emulsion to blend a more fluid marriage of tone. Digitise and use as a solution.

Substrate: A3 paper with added texture wallpaper sample
Process: 1. Photocopy of gold foil onto A3 using photocopier
2. Metallic gold binder @ 15% strength applied ad hoc
Intention: Create depth of wallpaper background with metallic touches to highlight behind design.
Problem: no further access to print room (Covid19)
Improvement: Use digitally to place design

Substrate: Wallpaper lining (digitally cropped onto background)
Process: 1.Brushed on emulsion in Good Home Westminster and dabbed with kitchen paper to release subtle dot pattern (difficult to see)
2. First layer screen print - ad hoc sectional print with dot screen using 15% Metallic gold binder
Intention: Create depth of wallpaper background with metallic touches to highlight behind design.
Problem: no further access to print room (Covid19)
Improvement: Explore kitchen paper effect for subtle/obvious effect

Substrate: Chocolate brown card (digitally cropped onto background)
Process: 1.Screen print with uniform line screen using Navy Blue standard binder @5% strength (background lines - difficult to see)
2. Second layer screen print with uniform dot screen using Metallic gold binder @ 15% strength
Intention: Create a uniform background layer for design to be placed on top
Problem: no further access to print room (Covid19)
Improvement: Navy screen print was visible until the gold print overpowered it. Not a usual colour combination I would choose but would try use it again differently.



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B2 - Digital Process - Developing a colour separation screen design

My workspace in the studio, with cyanotype process, researched wallpapers for inspiration and cut leaves.

I took a combination of cut leaf prints, gouache paintings with Indian ink to develop my screen separation design

This has been a strong image throughout my designs. I then further developed it for a more fluid design to lend itself to a wallpaper repeat pattern construction.

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B2 - Material Process - Colour separation screen printing

Sample 1: Silver leaf from Botanical Collection

Substrate: Wallpaper lining

Process: 1.Brushed on emulsion in Good Home Chester & Cordoba
2. First layer screen print with block design @15% strength Metallic silver binder
3. Second layer screen print with detail design @5% Black standard binder
Intention: Create a simple background to show off the design but interesting enough so its not an obvious repeat (lights and darks). Use a metallic finish to highlight the design with the purpose of natural light effecting the metallic finish.
Problem: First time lining up the screens, some success and some mis alignment
Improvement: Decide how the pattern will repeat in larger scale. Use puff or flock for the detailed design screen print. Embellish with crystals.

Inspired by Kandola - Starburst Collection - Cashmere

Photo using natural light and the effect on metallic binder

Colour swatch

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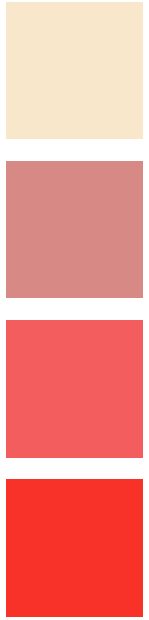
B2 - Material Process - Colour separation screen printing

Sample 2: Peach parade from Botanical Collection

Substrate: Peach card
Process: 1.Screen print block screen with pearlescent binder @ 5% Bottle Green
2. Second layer screen print with standard binder @ 5% Navy Blue
Intention: Bright background with contrasting design - looking for colour combinations
Problem: As a standalone piece I think it works well. As a repeat pattern for wallpaper it needs softening.Maybe that will take place with a background design.
Improvement: I think I would prefer a lighter colour pallet, creams, salmons, peaches, corals and reds.



Sample 3: Dark shadows from Botanical Collection

Substrate: Wallpaper lining (digitally cropped onto background)
Process: 1.Brushed on emulsion in Good Home Chester & Cordoba, Dulux Rich Black in square blocks
2. First layer screen print with 5% Black standard binder
Intention: Create simple background and multi layered design print keeping a dark colour pallet
Problem: no further access to print room (Covid19)
Improvement: the design needs texture and this probably would have come with further printing or to use flock/puff for surface texture.

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B2 - Material Process - Colour separation screen printing

Sample 4: Who Knew? from Botanical Collection

Substrate: Black card (digitally cropped onto background)
Process: 1. First layer screen print using uniform square block print screen @ 5% Scarlett Red Puff binder
2. Heat press @170 degrees for 20 seconds.
3. Second layer Screen print block screen with pearlescent binder @ 5% Bottle Green
4. Third layer screen print with detailed print using15% Metallic gold binder
Intention: Explore with previous cast off background prints. Pleasantly surprised that this was the result
Problem: As a standalone piece I think it works well. As a repeat pattern for wallpaper, the colour combinations might serve to be difficult to match
Improvement: I'm quite happy to leave it as a standalone piece for develop it for a fabric print.

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B2 - Material Process - Colour separation screen printing

Sample 5: China Gold from Botanical Collection

Substrate: Red card (digitally cropped onto background)
Process: 1. First layer screen print using uniform line block print screen @ 5% Navy Blue standard binder
2. Second layer Screen print block screen @ 15% Gold Metallic binder
Intention: Combine red and gold
Problem: As a standalone piece I think it works well. I am tempted not to use the detailed screen print and lave the block as it is. Unable to access Workshop for printing. Could utilise digitally
Improvement: I am vey happy with the gold metallic in contrast to the bright red background. This could be a beautiful statement wallpaper.

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B2 - Material Process - Machine stitch, hand stitch & embellishment

Sample 6: When beads are leaf from Botanical Collection

Screen print design reworked through:

- Free motion machine embroidery using photocopy of screen design on linen
- Hand stitch with embroidery thread; straight stitch, cross stitch, chain stitch, French knot, Bullion knot
- Embellishment with wooden coloured beads
- Warm tropical pallet

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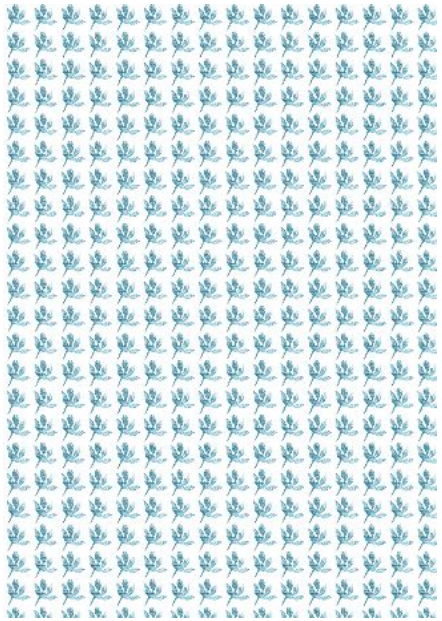
B2 - Digital Process - Digital sampling of repeat ideas, creating tiles and half drops

Creating a repeat tile from scanned gouache and ink painting, Recoloured digitally. Potentially suitable for bathroom tile. I like the awkwardness of the disjointed repeat.

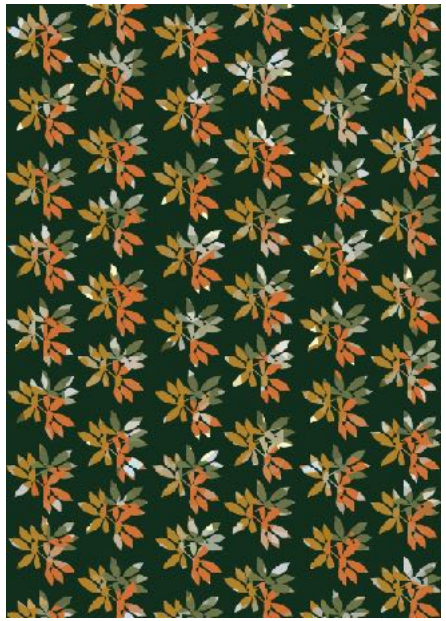
Creating a repeat tile from scanned leaf print using bubble wrap. Adding background colours. Exploring scale and volume in design.

Creating a half drop repeat pattern from a scanned cut leaf design. Digitally manipulated the leaf to multiply, recolour through filters and rotate. Beginning to stretch design so repeat is not so obvious through block.

Creating a more fluid repeat lengthways and introducing a horizontal stripe. Could lend itself to design for shutters.



Could be used for a shower curtain design.



Creating a half drop repeat pattern from a scanned cut leaf design. Digitally manipulated the leaf to multiply, recolour through filters and rotate.

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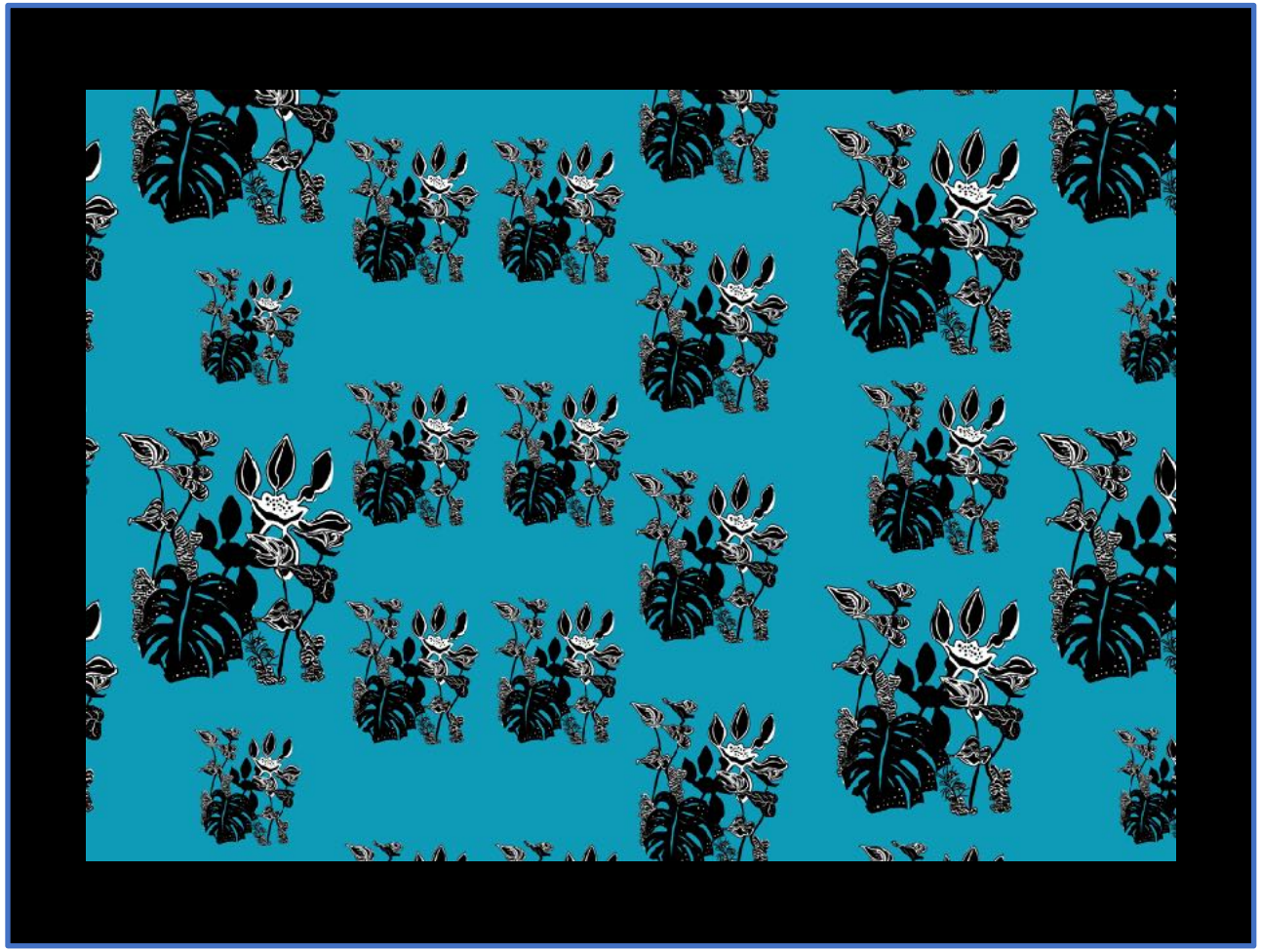
B2 - Digital Process - Digital sampling of repeat ideas - digital re-colouring of colour separation artwork for screen



Working with the screen design to create half drop repeats, mirroring, duding background colours and recolouring the design. Using portrait and landscape, scale, canvas size and layers on/off.

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B2 - Digital Process - Digital recolouring and rework of screen separation design

Sample 7: Grey Days from Botanical Collection

Substrate: Multi layered digital design

Process: 1.Background layer colour
2. Repeat square block design tile
3. Scale, rotation and opacity used for shadow layer
4. Recoloured screen design with mix of highlights and definitions using filter adjustments
Intention: Create a multi layered interesting design using a popular Pantone. Creating depth through shade and highlights.
Problem: Pattern doesn't work as a repeat as offset not used at this stage but the idea is there with cut off pieces. Exploring the randomness of rotated design to balance with scale.
Improvement: It might work in a different colour but there is an argument that the leaves are sad in grey. I can't see how it could be used for wallpaper and to live alongside it. However, could be a design for plan pots.

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B2 - Digital Process - Digital recolouring and rework of screen separation design

Sample 8: Green Days from Botanical Collection

Substrate: Multi layered digital design

Process: 1.Background layer colour
2. Repeat circular block design tile
3. Cut leaves tile using scale and filters to recolour. Adjusted opacity for a subtle background design
4. Recoloured screen design with mix of highlights and definitions
Intention: Create a multi layered interesting design using a colour range are in keeping with natural botanicals. Creating depth through shade and highlights.
Problem: Pattern doesn't quite work as a repeat yet as offset not used but the idea is there with cut off pieces and repeat of diagonal design.
Improvement: Using what I have learned with multi layer screen printing and applying it digitally.Screen design still a bit blocky so next steps are loosen the design to be more fluid.

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B2 - Digital Process - New digital designs and utilising offset and filter tools

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Sample 9: Power of Leaf from Fallen Leaves Collection

Repeat tile, scale, rotate, filter adjustments. Next move to create less block design.

Learning offset and filter adjustment tools on a flat background. My favourite adjustment tools are pixelate and crystallise.

Sample 10: Spring Leaves from Fallen Leaves Collection

B2 - Digital Process - New digital designs and utilising offset and filter tools

Sample 11: Autumn Rust from Fallen Leaves Collection

Substrate: Multi layered digital design

Process: 1.Background layer colour
2. Background layer of smaller scale leaves, recoloured through filters and rotated.
3. Front layer of leaves, recoloured using more filters and offset repeat to sit between background pattern.
4. Offset repeat to pattern match.
Intention: Create a multi layered interesting design using a colourful pallet in harmony. Creating depth through shade and highlights.
Problem: Enjoying using offset but it has challenges. Possibly too bold or busy for wallpaper but maybe better for curtain.
Improvement: Potentially further background shadow layer to tie up design as still a little blocky. Also nice for book covers.

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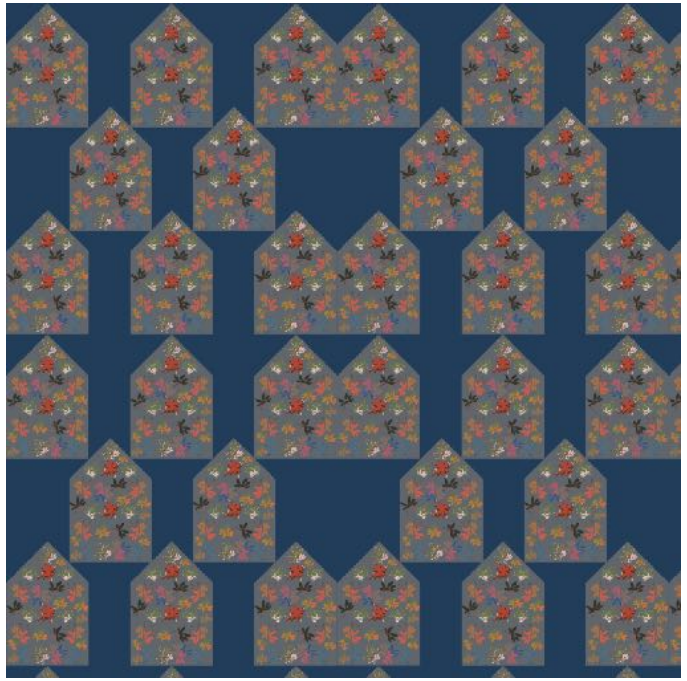
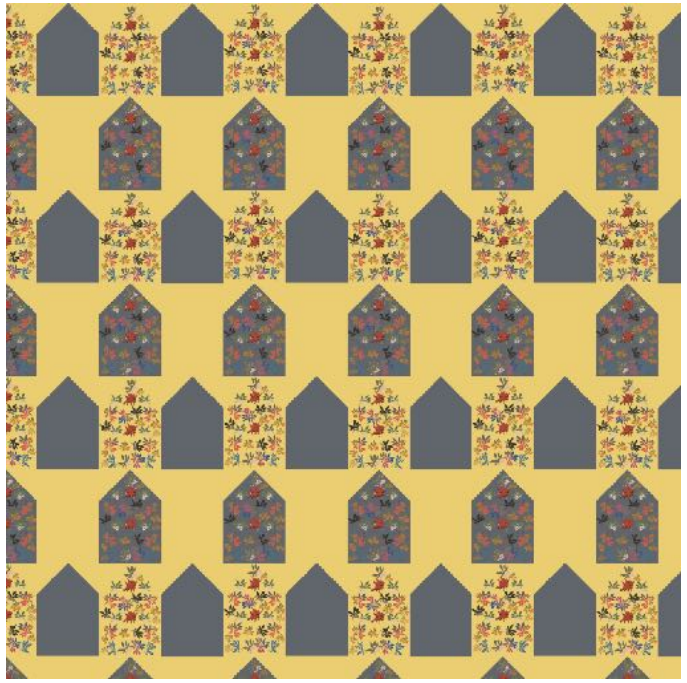


B2 - Digital Process - New digital designs and deciding a colour pallet and producing visualisations

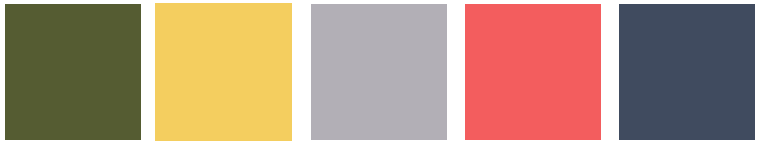
Developing a zeitgeist idea with industrial v botanical in mind. Using hard shapes and softer shapes together. Being quite bold with a flat background

Sample 12: Navy neighbours from Fallen Leaves Collection



Sample 13: Mustard Towns from Fallen Leaves Collection

Colour swatch developed from my back garden



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B2 - Digital Process - New digital designs

Developing textured backgrounds and softer designs that fall only above and below the eye line.

Sample 13: Cream Dance from Fallen Leaves Collection

Sample 14: Midway Dance from Fallen Leaves Collection

Sample 15: Navy Dance from Fallen Leaves Collection

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B2 - Material Process - New designs with free motion machine embroidery

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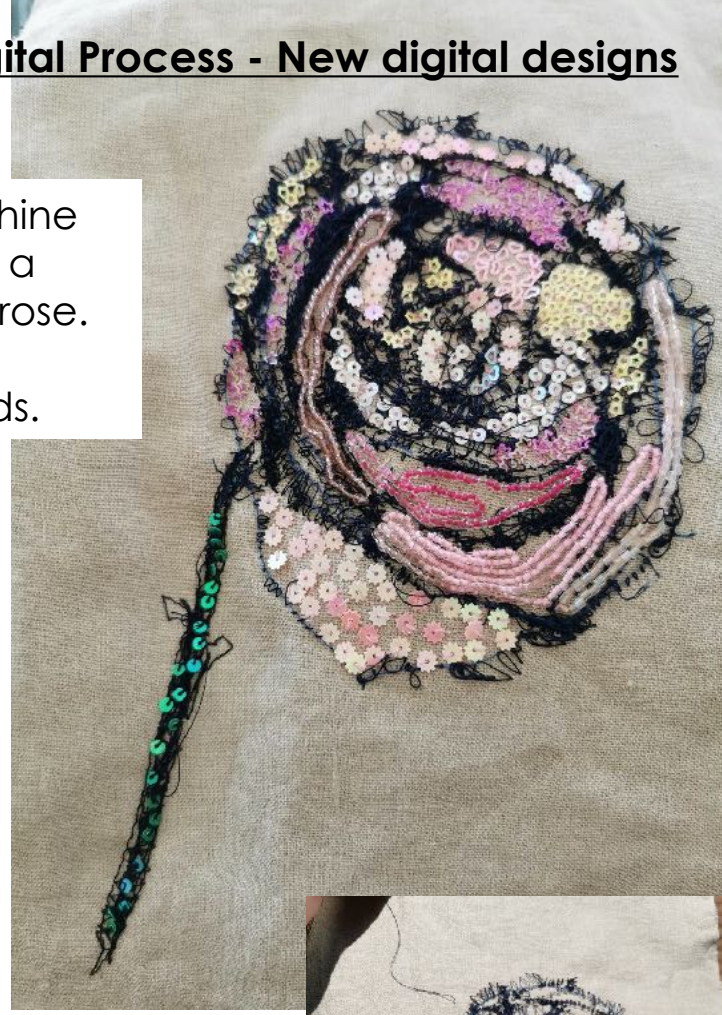
Free motion machine embroidery using a photograph of a bouquet of flowers and tones of thread

Applique leaves with free motion machine embroidery stitched leaf design over top

B2 - Material & Digital Process - New digital designs

Free motion machine embroidery using a photograph of a rose. Embellished with sequins and beads.



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Sample 16: Ring of Roses from Sequin Rose Collection

Digital design using adjustment tools of warp and rotate.
Background layer of gold squares.

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B2 - Digital Process - New digital designs and visualisation

Sample 17: Avant Rose from Sequin Rose Collection

Flat bright background for contemporary feel.

Sample 18: Royal Rose from Sequin Rose Collection

Scanned textured wallpaper sample for background tile and repeat.

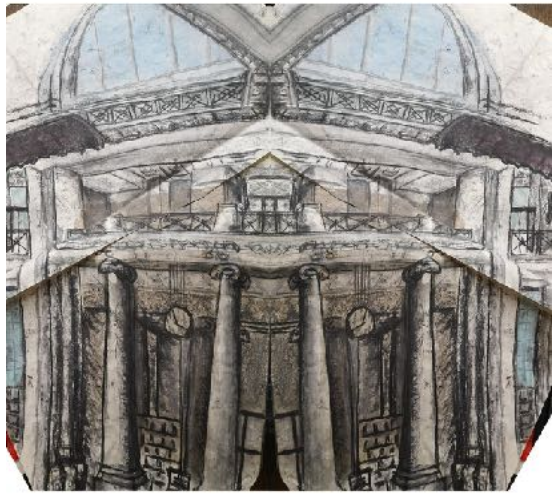
Sample 19: Trio of Roses from Sequin Rose Collection

Designing with combinations of trios and stretching the design

B2 - Digital Process - New digital designs and visualisation

Sample 20: Museum Mirror from Fallen Leaves Collection

My chalk museum drawing photographed and digitised. Mirrored to create a tile and repeat design with fallen flowers template file I created.



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B2 - Material Process - New designs with free motion machine embroidery, cyanotype and making beads with resin

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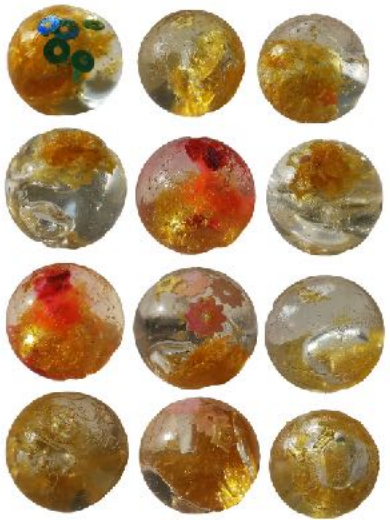
Free motion machine embroidery on dissolvable fabric

Washed and dried and laid on cyanotype

Cyanotype on fabric with sun exposure

Dried daffodil leaves, chopped and captured in resin beads



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B2 - Digital Process - New digital designs and visualisation

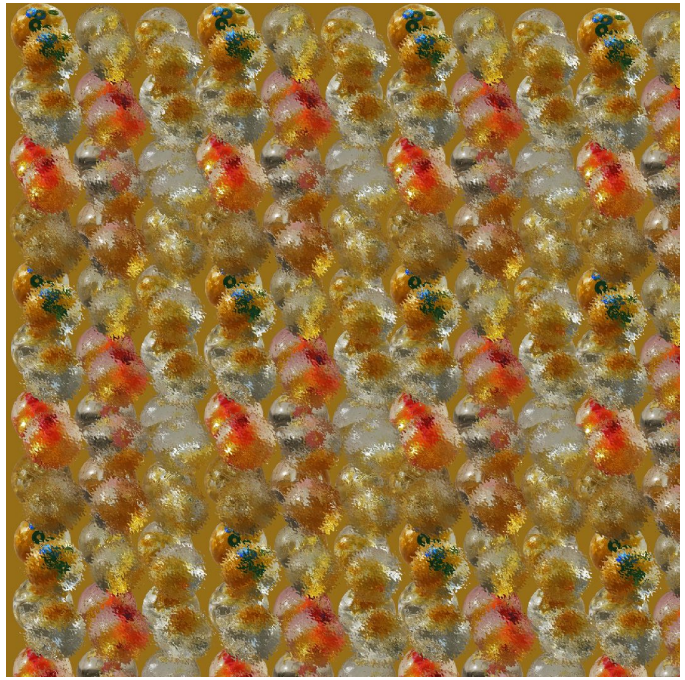
Sample 21: Flower Scratches from Sun's Flowers Collection

Substrate: Multi layered digital design

Process: 1.Background layer colour scanned wallpaper sample
2. Reshaped stitched flowers using warp and scale
3. Opacity reduced and filters used
4. Offset repeat to pattern match.
Intention: Create a multi layered rustic design
Problem: Becoming more free spirited with design and less controlled
Improvement: Would like to include 3D element such as beads

B2 - Digital Process - New digital designs and visualisation

Sample 22: Distorted beads from Sun's Flowers Collection



Substrate: Multi layered digital design

Process: 1.Background layer colour
2. Layered design beads and distort filter
Intention: Develop a less controlled design
Problem: Being able to add the 3D beads
Improvement: Further exploration

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B2 - Digital Process - Digital Printing

Substrate: Cotton or natural fabric for purple of digital printing

Process: 1.Choose image and load onto printer software
2. Follow guidance and feed the fabric to printer, supervise at all times
Intention: Print designs unachievable by hand
Problem: Can be a slow process
Improvement: Possibilities are endless

Test strip and digital image printing (video below)

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