

# One image, four patterns and a gift set

## FridaHag teaching companion

Use GPT with project-file access and free Inkscape. Computer Use is needed for application-window control; verify actual availability. This project used local scripts and Inkscape command-line rendering. The teaching views are prepared from real project files, not simulated interface recordings.

## The decisions to preserve

Patterns 01, 02 and 04 have approved vector conversions. Pattern 02 uses the tighter star spacing. Pattern 03 remains raster. The woodland arrangement is a composition study, not a verified seamless master. The red companion products have print sheets; the teal product set is a mockup only.

## Printing

Each print PDF has A4 on page 1 and US Letter on page 2. Print only the matching page, at 100% / Actual size. Measure the 50 mm line on companion sheets. Wrapping sheets have 10 mm white printer margins. A printed page is not the repeat tile; use the separate tile SVG for a larger continuous pattern.

## Physical checks

Test the bag on plain paper. Its broad base flaps overlap by 14 mm across the 30 mm depth. Check folds, adhesive and paper strength. Printer margins, paper weight and colours need a real print test. No physical assembly has been claimed.

## 1. Check access

Locate Inkscape and verify what access you actually have. Create a separate 50 mm square, export it, and verify its dimensions. State whether you used application-window control or command-line rendering. Do not assume opening an app gives you control of it.

## 2. Discuss the brief

Inspect my attached original artwork at full size. Preserve it unchanged. Discuss suitable elements, the intended look, and two or three useful products with me before production. Distinguish the source I approve from the composition we still need to design.

## 3. Explore a woodland layout

Use the different mushroom shapes and selected grass, flowers and leaves. Keep each mushroom anatomically clear. Arrange whole clusters with varied sizes, spacing and angles. Show one large composition proof. Check visual rhythm and direction; do not claim seamless edges without verification.

## 4. Explore symmetry

Using my approved original, choose a small selection near the curved gills and cap edge. Build a 30-degree wedge with reflections, then six 60-degree sections around one centre. Repeat the resulting hexagonal construction on a hexagonal lattice. Explore crop position, size and angle. Show the strongest proof and state the tools actually used. Do not subscribe to a service.

## 5. Explore other source selections

Preserve the accepted construction. Make a few alternatives from different areas of my original, such as the smaller cap and grass-and-flower details. Compare large repeated surfaces, not just isolated tiles. Avoid obvious blank boxes, heavy ground bands and arbitrary extra decoration.

## 6. Adjust motif spacing

Keep the approved star shape and repeat centres. Increase the star size by 30 percent within the same space. Do not enlarge motif and spacing together. Check for collisions and show the old and new arrangements at equal scale.

## 7. Trace selected patterns

Vectorize only patterns 01, 02 and 04. Keep 03 raster. Preserve the approved compositions, narrow lines and holes. Separate foreground colours from the background. Use true paths, not a bitmap embedded in SVG. Show close comparisons and report any texture or shading lost. Name the actual tracing method.

## 8. Make a colour variation

Use the accepted vector geometry unchanged. Set the accent to #287375 and the background to #f7ead1. Where there is a separate dark linework layer, use #233d42. Save a new SVG and preview; keep the original colours. Ensure shapes, spacing and dimensions are identical.

## 9. Compose the companion set

Use our agreed gift tags, folded card and mini bag. Compose each for its purpose: writing space on the tag, a clear front on the card, and a quiet label area on the bag. Show one coordinated set using the actual layouts before making more variations.

## 10. Prepare tags and card

Create six 55 by 85 mm tags with cut outlines, punch guides and clear To and From lines. Create a 180 by 130 mm card exterior, with the front on the right and back on the left, folding at 90 mm. Keep the inside blank and put fold marks outside the trimmed card. Export A4 and US Letter pages at the same product dimensions.

## 11. Prepare the bag

Create a mini bag net for a 60 by 30 by 110 mm body: panels 60, 30, 60 and 30 mm wide, then a 12 mm side glue tab. Include 10 mm top hems, two 22 mm broad base flaps and two 18 mm short flaps. Distinguish cut, fold and glue areas. Add a 50 mm check line and assembly instructions. State that physical assembly requires a plain-paper test.

## 12. Show a second appearance

Make one alternate mockup of the same products. Use the teal petal repeat with star accents. Label it as a digital mockup. Do not imply that alternate print sheets or physical samples exist unless they have actually been made.

## 13. Check and package

Render every PDF page, check artwork and text, and confirm the actual dimensions. Verify that the repeat tile joins in both directions. Keep source, raster pattern, vector patterns, colour variants, print sheets and mockups clearly identified. Mark studies and physical tests honestly. Prepare a review, but do not publish without permission.

### How the vector files were made

GPT separated colour regions and extracted contours with OpenCV, using a 0.4-pixel simplification tolerance, then used Inkscape to render the SVGs. This is different from demonstrating the Inkscape Trace Bitmap dialog. Fine raster grain and tonal shading were intentionally simplified. Inspect the paths and close comparisons before adapting another source.

### Files and provenance

Original-Mushroom-Source.jpg is the supplied source. Pattern-01 to Pattern-04 repeat tiles use the accepted symmetry designs. Colour variants reuse the same vector geometry. All examples were produced in this project; the prompts are reconstructed from the actual work, not independently tested in a fresh session. Narration uses Frida Hag's authorised voice clone.

### Official references

[Inkscape download](#)

[Inkscape basic tutorial: Fill and Stroke](#)

[Inkscape bitmap tracing tutorial](#)

[Repper selection and pattern guide](#)

[Repper tiling explanation](#)