Pen Flower Textures: Hatching, Cross-Hatching and Stipple

Original tasks 1, 2, 3 / complete keys

Task 1

On a scrap strip 6 cm long, make three hatching bands with line spacings of 2 mm, 1 mm and 0.5 mm. Label them light, medium and dark. Describe the order you expect from lightest to darkest.

Answer: Lightest is 2 mm, then 1 mm, darkest is 0.5 mm.

Reason: Closer lines leave less white paper, so the band reads darker. The order follows spacing from widest to narrowest.

Check: View the strip from arm's length; the 0.5 mm band should appear darkest and the 2 mm band lightest.

Task 2

A petal zone uses cross-hatching with first lines at 0 degrees and second lines at 45 degrees, spaced 1 mm apart. A second zone uses hatching only at 0 degrees, also 1 mm apart. Which zone has more ink coverage, and by what simple count?

Answer: The cross-hatched zone has more ink coverage because it has two line directions instead of one.

Reason: Each direction adds lines across the same area. Counting line sets, cross-hatching has two sets and hatching has one.

Check: Count the number of line directions in each zone; the zone with two directions should read darker from arm's length.

Task 3

You stipple a petal with dots 1 mm apart, then add a second layer of dots offset between the first. Describe the expected value change and one way to check it.

Answer: The petal should read darker after the second layer because more dots cover white paper.

Reason: Adding offset dots increases dot density without changing dot size. More dots mean less white paper.

Check: Compare the petal to an unlayered scrap strip from arm's length; the layered area should appear darker.

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Original tasks 4 / complete keys

Task 4

A flower has five petals. You assign hatching to petals 1 and 2, cross-hatching to petals 3 and 4, and stipple to petal 5. State one rule that keeps the study clear and one valid alternative choice.

Answer: Rule: use one method per petal. Valid alternative: assign methods in a different petal order, such as stipple on petals 1 and 2, as long as each petal stays consistent.

Reason: Consistency within a petal makes texture comparison clear. The order of methods across petals is a design choice, not a fixed answer.

Check: Inspect each petal for a single recognizable method; confirm the full flower still shows three distinct textures.

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Source rubric / reflection

- [ ] Spacing is even within each texture zone.
- [ ] Three value levels are visible from arm's length.
- [ ] One method is used consistently per petal.
- [ ] Overlaps are darkened with the petal's own method.
- [ ] Highlights remain white and intentional.
- [ ] Labels are legible; x-height measured baseline to midline, any letter style accepted.

Reflection: What did you check, what did you change, and what will you try next?