

Illustrator: Pattern

1. Pattern
 - a. Make a single shape
 - b. Drag it to the swatch panel - it's now a pattern swatch
 - c. Double click the pattern swatch to open Pattern Options
 - i. Experiment with tile type, brick offset and height/width
 - d. Note that Color of patterns are fixed, so keep the elements you used to make a pattern on a separate layer, so you can make versions of that pattern with different colors as needed.
 - e. To rotate the fill pattern within a shape:
 - i. Select the shape
 - ii. Double click the Rotate Tool
 1. Check Preview
 2. Check Transform Patterns
 3. Uncheck Transform Objects
 - f. To change the scale of the pattern within a shape:
 - i. Select the shape
 - ii. Double click the Scale Tool
 1. Check Preview
 2. Check Transform Patterns
 3. Uncheck Transform Objects
 - g. To move pattern within in the shape:
 - i. Hold tild key (~), it's under the escape button, and drag with the Selection Tool
 - h. Complex repeating shape
 - i. Set Grid
 - ii. Shape tool > make a square, lock it
 - iii. Create a pattern within that square that will repeat when tiled
 1. Use a custom brush to make shapes that go beyond the square
 2. Object > Path > Outline Stroke
 3. Object > Path > Simplify

4. Put rectangle layer on top
5. Pathfinder > divide
6. Object > Ungroup
7. Select the parts of your pattern outside the square, and move them to opposite side of the square, so they repeat

- iv. Group your pattern elements, and drag them to the swatch panel to create a pattern swatch
- v. NOTE: within the Pattern Options Panel, there is a Pattern Tile Tool, which will do some of the above steps for you and may save time for complex patterns. Either way, you have to design a pattern that repeats well.

2. Skewing a Shape with Pattern Fill

- a. Illustrator Preferences > General > Transform Pattern Tiles (check)
- b. Object > Envelope Distort > Envelope Options > Distort Pattern Tiles (check)
- c. Select object to be skewed
- d. Object > Envelope Distort > Make with Mesh > 1 column & 1 row > OK
- e. Select object, open Free Transform Tool
 - i. Try Free Distort first
- f. Start with another simple object and experiment with additional columns and rows under Object > Envelope Distort > Make with Mesh