

FOLDING WORKSHOP WITH JULE WAIBEL

BASIC - Zig Zag Fold

Materials

- [150-200 GSM Paper](#) (can experiment with different textures and patterns)
- [Long and Short rulers](#)
- [Scissors](#)
- [Pen/Pencil](#)
- [Double-sided Tape](#)
- [Set Square](#)
- [Folding Bone](#)
- [Box Cutter](#)

Instructions

1. Cut paper to 15 cm x 16 cm.

2. To create pattern:

- Draw 7 vertical lines separated by 2 cm, as well as 4 horizontal lines separated by 3 cm. Use your set square to ensure your horizontal and vertical lines are entirely perpendicular (90°) to one another.
 - Overall, this should create 40 3 cm x 2 cm boxes on your paper.
- Draw the diagonal lines you are folding by categorizing your paper into 5 horizontal rows
 - In the first box of the first row, draw a diagonal line from the top left corner to bottom right corner. Then, in the second box of the first row, draw a diagonal line starting from the bottom left corner to the top right corner, creating a V-shape in diagonals.
 - Repeat this V-shape of diagonals until your first row should look like 4 Vs, making a zig zag.
 - Repeat this process of i. and ii. for the 4 remaining blank rows of your paper.

3. Crease all 7 vertical lines and all 40 diagonal lines drawn by using your folding bone. With your ruler, ensure straight folds. Make sure to press down hard on your folding bone for indented lines, but not hard enough to tear your paper.

- To fold the paper, fold the left edge of your paper inward to meet the second vertical line, matching up our first fold with the first vertical line. Use the folding bone to press down your crease.
 - Flip your paper (so the blank outside is facing you and the lines are now facing your mat) to then fold the new "edge" we just made to the closest vertical line, using the folding bone to press down this new crease.
 - Flip the paper over where the lines drawn are again visible and repeat steps.

5. Repeat step 4, flipping over your paper each time, until your paper has an accordion fan shape.

6. Flatten your paper back, with the lined side visible.

7. Creasing the diagonal lines, think of each zig-zag as 4 V-shapes. Starting with your first row, press each inside of your V-shapes, bending only on the vertical and diagonal lines drawn.

8. Crease only on the lines, pushing the area within your V made by the diagonal lines backward, and the inside of the V forwards, making the tip of your vertical line the more protruding towards you, and forming a valley of the diagonal lines. Repeat this for the other 3 V-shapes in the row.

9. For row 2, reverse this process so the diagonal lines making the V are most protruding towards you and the inside of your V is the deepest part.

10. Repeat steps 8 and 9 for the remaining 3 rows, alternating between rows pushing your V-shape upward towards you into mountains or downward into valleys.

