Constructing Origami Boxes

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| **1)** Set a square piece of paper in front of you on a hard, flat surface. | **2)** Fold your paper in half to create a rectangle and then unfold. | | **3)** Rotate your paper 90°, fold it in half again, and then unfold. | |
|  | A yellow square on a white surface  Description automatically generated with low confidence |  |  |  |
| **4)** You should have a square with four distinct quadrants. Now, fold each corner to the center, which will result in a smaller square. | | | | |
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| **5)** Fold the square in half to create a vertical line of symmetry. Fold each side to this line. You have now divided your square into fourths, vertically. |  |  |  |  |
| **6)** Unfold two opposite sides as in the picture below. | **7)** Rotate the paper 90°. With the paper partially unfolded, fold the longest sides to the center, and then unfold. | | | |
|  |  | Shape  Description automatically generated with medium confidence | Shape  Description automatically generated |  |
| **8)** Pinch the paper together as in the pictures below to begin forming the corners of your box. | | | **9)** Fold upward to create the sides of your box. | **10)** Fold the remaining flaps over to put the finishing touches on your box. |
| Chart, surface chart  Description automatically generated | Chart, surface chart  Description automatically generated |  |  |  |
| Congratulations, you’ve made a 3-D box out of a 2-D piece of paper! Now let’s explore some of its properties. | | | | |