Blooming Flower

Design by Bill Reyes

Diagrams by Paula Versnick (c) 2024 Free Sharing, No Profit!

This design was taught by Koustubh Oka at the OUSA convention in New York in 2014. He developed the first instructions for the model (photo diagrams), with Bill. I was enchanted by the model when I learned it during the past year.





Unfortunately, Bill Reyes passed away, but before he did, he told Koustubh that his models may be freely shared, but without profit. Let us respect Bill's wishes.

A blue line is a valley fold (a river is blue and in the valley). A <mark>red</mark> line is a mountain fold (the sunset makes the mountain red).



1. Valley fold the 3 diagonals, side to side.



Recommended paper: Hexagon, size around 17 cm width, sturdy paper, copy paper would be fine. Same color on both sides works well.

2. Valley fold the other 3 center lines, corner to corner.

How to make a hexagon from a rectangle or square?



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12. To collapse the model we need to start with these folds. The model becomes 3D and looks like a table cloth.

13. Now slowly work your way from the outside to the inside and

zig zag the hexagons in the center.





14. Continue the collapse.



15. Top view. Just before the last collapse the model lies almost flat. Complete the last collapse so that it resembles the next shape, seen from the side.



16. Make small inside reverse folds in the outer star as deep as they want to go without forcing the paper. The model will not lie flat. 17. Make reverse folds on existing creases on all sides. Pay attention to the beginning of the mountain fold. That should be crisp.



16. The collapsed state from the side. The next step is enlarged.



18. Make smaller reverse folds on existing creases on all sides, 12 in total. Reinforce the folds to make a crisp result.

Blooming Flower Diagrams by Paula Versnick Design by Bill Reyes (c) 2024 Free Sharing, **No Profit!** 21. Now hold the model in the palm of your hand and grab the top in your other hand. Turn clockwise and push gently until you get the shape in the next picture. The blue dot is the pivot point. These 6 points, one at each side, should come together in the middle of the model. Top view and side view 22. At the end you have a double Seen from above six pointed star. Each point has and from below an upper and a lower point. There are two moves at the same time. The lower point goes with a fold to the center of the bottom. The upper point next to it clockwise goes up at the same time, making a petal. 23. Make a soft crease on the petals. The model is finished. Action!

Action: Push gently on the bottom while spreading the petals. The Flower blooms!

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