



Diagrams

RAT Rudra Joshi

SNOWMAN Sampreet Manna

BORED APE NFT Viswa Sarathi

WINTER SCHOOL GIRL Rudra Joshi

Photodiagrams

SANTA CLAUS Shubham Mathur

(Crease Patterns)

CLEAVER Sampreet Manna

PEGASUS Rakesh Dhanda

TURTLE Vishwa Rajesh

Article

KÃGAZEE EVENTS kãgazee Group







Models in this Issue



Rat | Rudra Joshi



Bored Ape NFT | Vishwa Sarathi



Santa Claus | Shubham Mathur





Snowman | Sampreet Manna



Winter School Girl | Rudra Joshi



Cleaver | Sampreet Manna



Turtle | Vishwa Rajesh

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Design and diagram by Rudra Joshi

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Design and diagram by Sampreet Manna

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Design by Viswa Sarathi | Diagram by Sampreet Manna



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Design by Rakesh Dhanda

Crease-pattern: Turtle

Design by Vishwa Rajesh

About team

Know about our team members





Note from the Editor

Thank you to all the readers for downloading Issue-02 of our magazine Origamaze (Origami + amaze). Our first issue received a lot of positive feedback from the community. We were showered with love, appreciation and motivation via social media platforms and emails. The overall visits to our website and number of downloads exceeded our expectations and we are delighted with that.

As promised, we are focusing on releasing the magazine on a bi-yearly basis, so here is the second issue for you all this festive season. Just like before, we have included various forms of instructions like diagrams, photo diagrams, and crease-patterns for folding models of different complexities.

In this edition, we have also included a section named "From the community" to share the folds of models from Issue-01 submitted by our readers. We were all thrilled to see your results and are grateful for your participation. After the release of our first issue, Kagazee received various opportunities for workshops and custom orders. We have included information and photos of some of these sessions in the "Kagazee Events" article, so please make sure to check that out as well.

Lastly, I would like to thank my fellow team members Sampreet Manna, Rudra Joshi, Shrijit Nair, Rakesh Dhanda, Vishwa Rajesh and Vishwa Sarathi for their kind contributions to this Issue-02. Details about our team members are provided at the end of this issue or on our website "www.kagazeeindia.com".

I would also like to encourage other origami designers to share their diagrams or crease patterns with us to get published in future issues of Origamaze. We are now open to submissions starting from Issue-03 and for any queries, you can reach out to us via email or Instagram. Your support and contributions are needed to make Origamaze even bigger and better. Thank you for reading and enjoy folding!

- Shubham Mathur





Kãgazee Events

Kãgazee is a group of budding Indian origami artists. We are dedicated to providing support to all origami artists across India. Kãgazee will provide indigenous origami artists with a platform where they could communicate, learn, share ideas or showcase their skills.

We aspire to build a community that will not only widen the horizons of our native folders but also introduce new people to this elegant art form. For more details of our activities/events, you can contact us via:



kagazeegroup@gmail.com





Following are some photos and details about the sessions and events conducted by the members of team Kagazee in 2022. If you wish to collaborate with us for any workshops, custom orders, or other origamirelated activities, then please reach out to us via email or Instagram.



Some glimpses from Kagazee's first webinar in collaboration Ethika Insurance Brokina conducted bv members our Shubham Mathur and Shriiit Nair.

Taught about the art of origami to over 170 participants along with their families. It was a wonderful session and there were enthusiastic participants.

We received great feedback from the participants and they were excited to know about the origami artform along with its health benefits and applications in various areas of life.



Kãgazee Events





Here are some in-progress pics of Kãgazee's first custom order.

Folding of over 200 traditional Origami models for a Japanese company with color theme- red, white, and black. This task was handled by our Dubai wing, thanks to Shrijit Nair. Also, a big thanks to Jamila Navagharwala (@jan.alwaraq on Instagram) for helping us out in folding some of these models.

Here are some photographs from the launch event of the Asus Zenbook Fold 17 OLED model. It was held in Dubai at the "Mall of the Emirates" for two days and at "Dubai Mall" for three days.

Team Kãgazee's member Shrijit Nair successfully participated in this five-day new product launch event in association with Creative Edge Events and Asus Middle East. He taught various visitors and potential customers about the art of folding paper. The idea to fold the OLED laptop screen in half is loosely associated with origami folds.









From the community

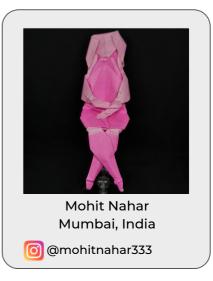




















Basic Folding Symbols

------ Valley fold

Note: In case of crease-patterns, mountain creases are shown by red lines and valley creases by blue lines.



Turn Over



Repeat once



Point of view



Repeat twice



Fold



Pleat



Fold and Unfold

Fold behind



Crimp



Pull out



Open and Squash



Blow up



Rotate



Sink



Zoom in



Zoom out

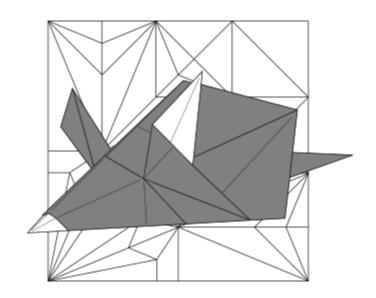
Rat

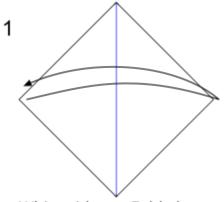
Designed & Diagrammed by Rudra Joshi 2022

Recommended Size: 15-20 cm2

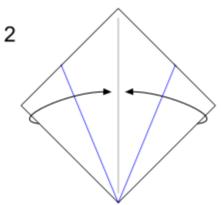
Paper: Kami, Tissue-Foil, Triple-Tissue

Mountain : ————Valley:

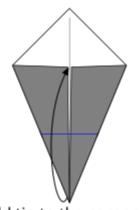




White-side up. Fold along diagonally & unfold

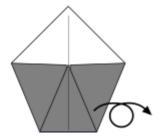


Bisector fold to the centre



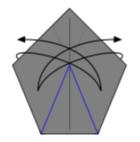
Fold tip to the corners

4



Turn the model over

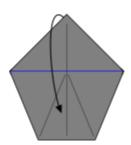
5



Fold & unfold upto the middle

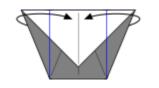
6

3



Fold through shown vertices

7



Valley fold to the middle

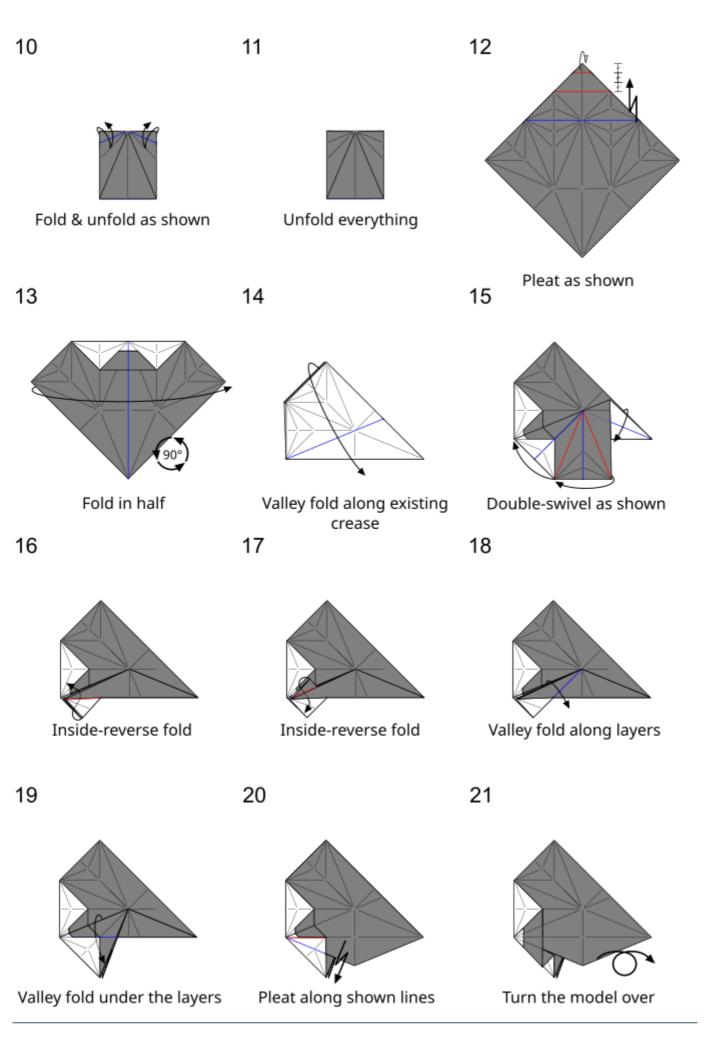
8

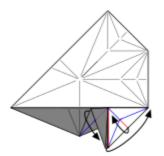


Turn the model over

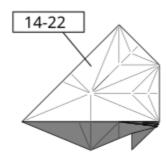


Fold & unfold as shown

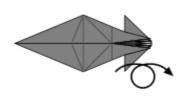




Swivel & inside-reverse fold



Repeat steps 14-22 on other side

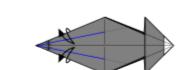


Turn the model over

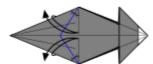
25



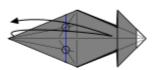




Bisector fold to the centre



Bisectors to the shown line

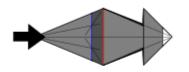


Valley fold through marked points

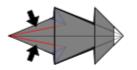
28

29

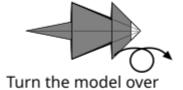
30



Open-sink & unsink

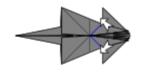


Open-sink

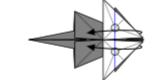


31

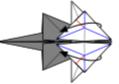
32



Open shown flaps



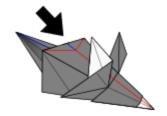
Valley fold through marked points



Rabbit-ear fold



Open up the model & make it 3-D



Push in to make shape



Model Completed

Origami Snowman

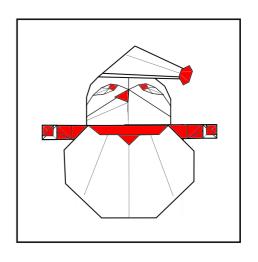
Designed and diagrammed by Sampreet Manna (2021)

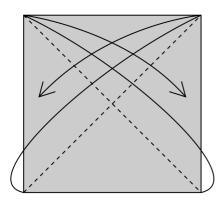
Difficulty: Low Intermediate

Recommended size of the paper: 15cm X 15cm Any type of paper is suitable for this model

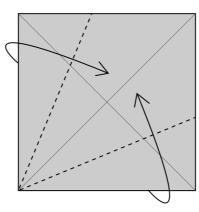
Video tutorial avaible on

Sampreet Manna Origami Youtube channel.

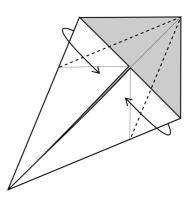




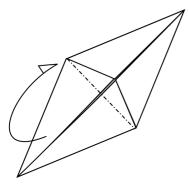
1. Coloured side up, Fold diagonally in half both sides and unfold



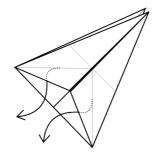
2. Fold the edges to the center Line.



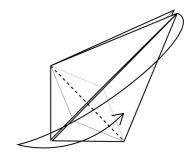
3. Fold both edges to the center line



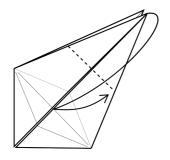
4. Mountain fold the flap.



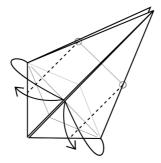
5. Release the paper from inside and flatten it.



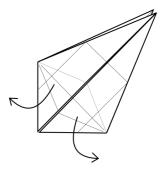
6. Fold and unfold.



7. Fold on the crease point and Unfold.

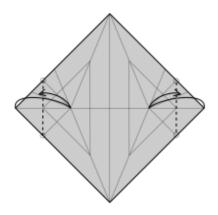


8. Fold along the circled crease point to the middle.

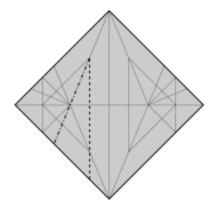


9. Unfold everything

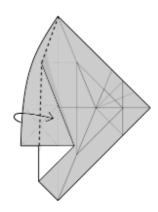




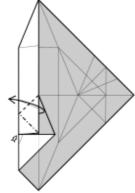
10. Fold and unfold along the circled points.



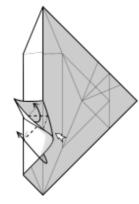
11. Make a pleat as shown. The model will not lie flat.



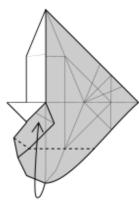
12. Valley fold and flatten the model.



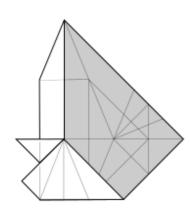
13. Reverse and open the flap.



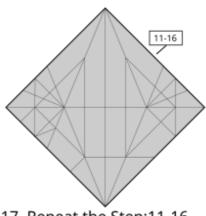
14. Lift up the flap and squash.



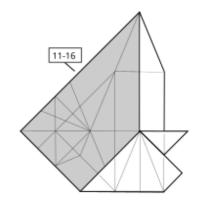
15. Fold the flap up and flatten the model.



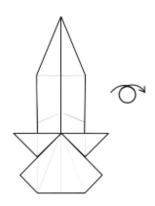
16. Like this, Now unfold.



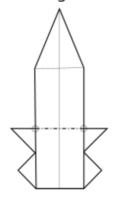
17. Repeat the Step:11-16 on the right side.



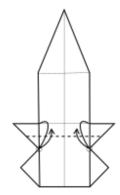
18. Repeat the Step:11-16 on the left side.



19. Like this. Turn over.

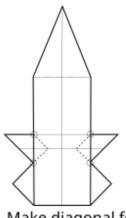


20. Mountain fold along the circled points.

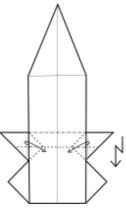


21. Fold and unfold.

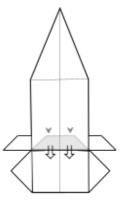




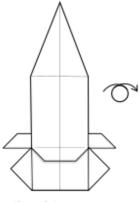
22. Make diagonal folds along the circled points.



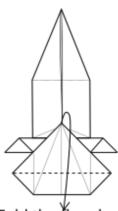
23. Make a pleat by reversing the two flaps and collapse.



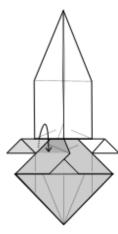
24. Pull out the paper.



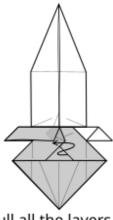
25. Like this, Turn over.



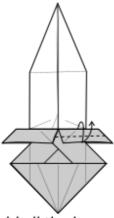
26. Fold the flap down. Don't crease sharply.



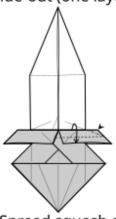
27. Wrap the marked region inside-out (one layer).



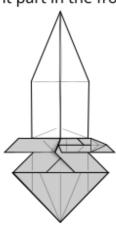
28. Pull all the layers of the right part in the front.



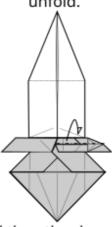
29. Fold all the layers and unfold.



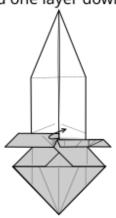
30.Spread squash and fold one layer down.



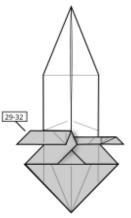
31. Like this.



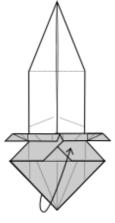
32. Fold the other layer behind



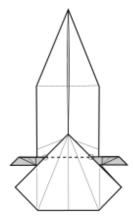
33. Now bring all the layers of left side infront.



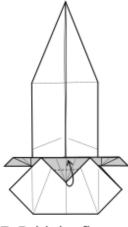
34. Repeat 29-32 on the left side.



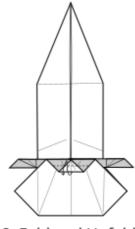
35. Fold the flap up.



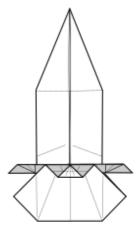
36. Valley fold along the circled points.



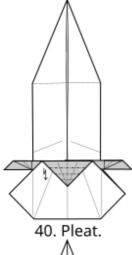
37. Fold the flap up.



38. Fold and Unfold.

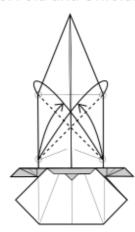


39. Unfold to step- 37

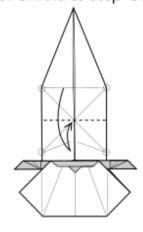


40. Pleat.

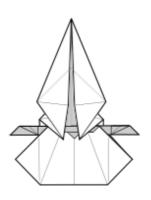
44. Push the two sides to open & Collapse as shown



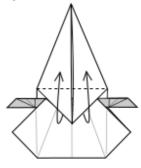
41. Fold and Unfold.



43. Fold along the center point and unfold.

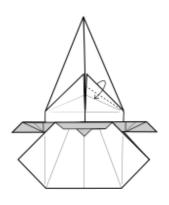


45. Continue...

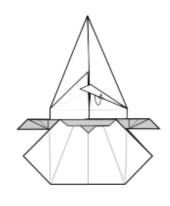


46. Like this. Fold the two flaps up.

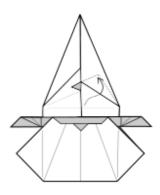




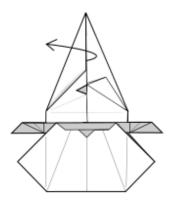
47. Fold on the crease line.



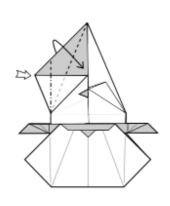
48. Pull out one layer & fold it up.



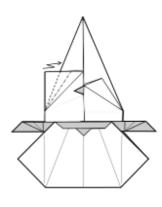
49. Release the layer from inside.



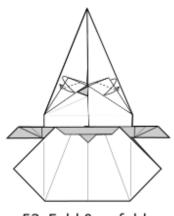
50. Open the flap.



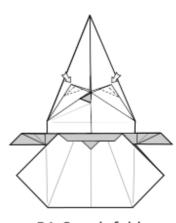
51. Reverse fold.



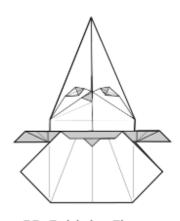
52. Make a pleat as shown.



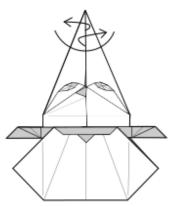
53. Fold & unfold.



54. Squah fold.



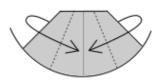
55. Fold the Flaps.



56. Open the top flap a little.

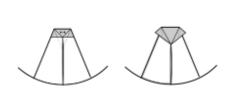


57. Fold the tip back.

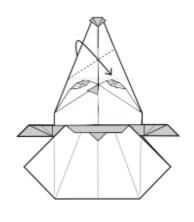


58. Refold the flap.

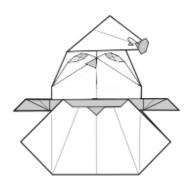




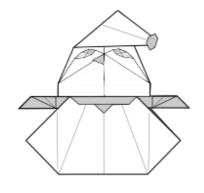
59. Squash the flaps.



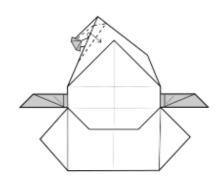
60. Fold the top flap as shown.



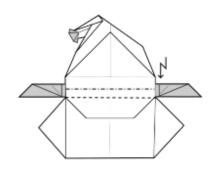
61. Mountain fold.



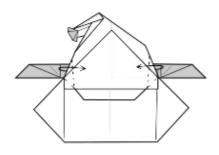
62. Turn Over.



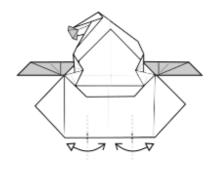
63.Swivel Fold.



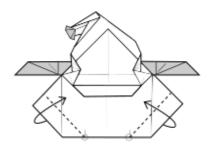
64. Pleat through all the layers



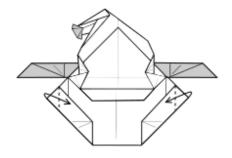
65. Squash fold.



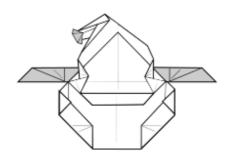
66. Fold and make a pinch.



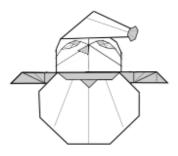
67. Fold the edges up.



68. Valley fold.

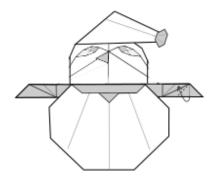


69. Like this, turn over.

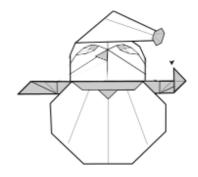


70. Fold the tip of hand.

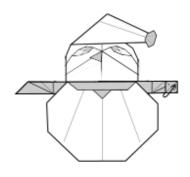




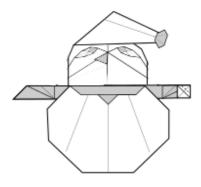
71. Fold the tip up.



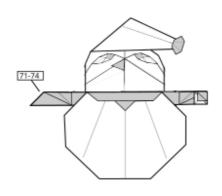
72. Squah the flap.



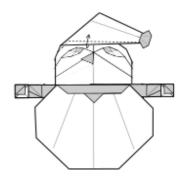
73. Fold the flap up.



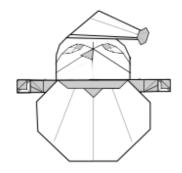
74. Fold down as shown.



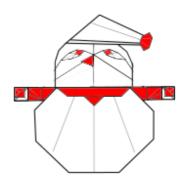
75. Repeat step 71-74



75. Fold a narrow part of the hat up by wrapping the left part.

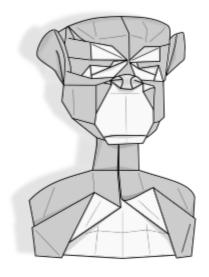


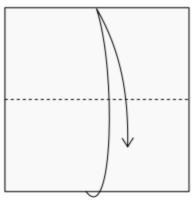
76. Model Finished



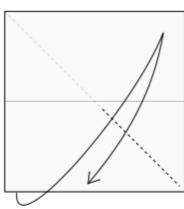
Origami Bored Ape NFT

Designed by Viswa Sarathi (@vs.origami)
Diagrammed by Sampreet Manna
Youtube Video: Sampreet Manna Origami

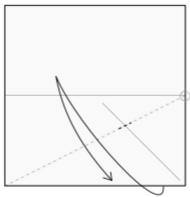




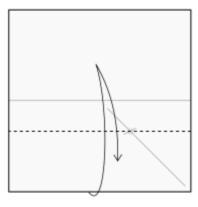
1.White side up, Fold in half and Unfold.



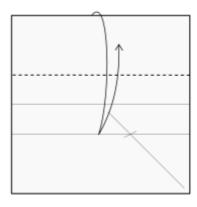
2.Fold diagonally and Crease partially.



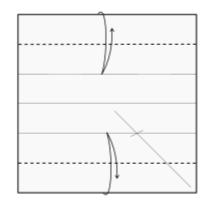
3. Fold as shown and make a pinch.



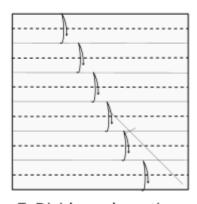
4. Fold and unfold.



5. Fold and unfold



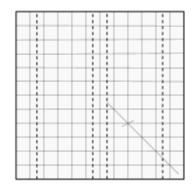
6. Fold and unfold.



Divide each section in halves.

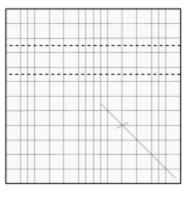


8. Repeat on the other direction

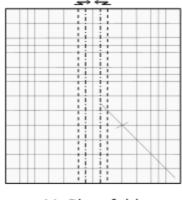


9. 12x12 grids done! Fold as indicated.

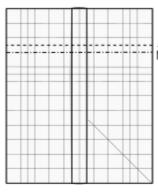




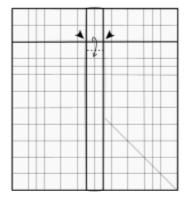
10. Precrease



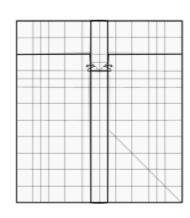
11. Pleat fold.



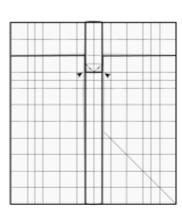
12. Pleat fold.



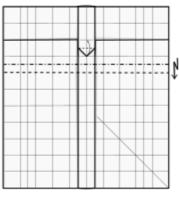
13. Pull the corners and fold the flap down.



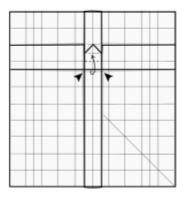
14. Fold and Unfold.



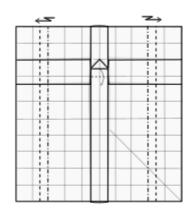
15. Open Sink.



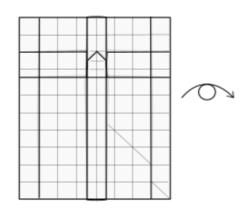
16. Lift the flap up. Form a pleat fold.



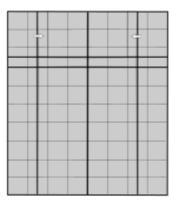
17. Pull the corners and Fold the flap down.



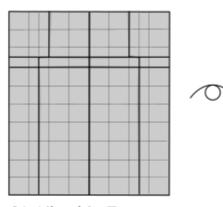
18. Pleat folds.



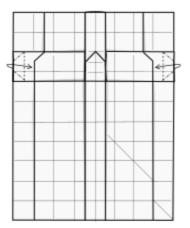
19. Like this, Turn over.



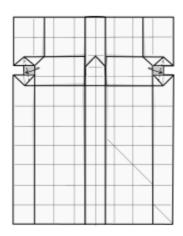
20.Unsink.



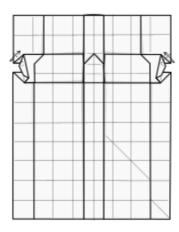
21. Like this, Turn over.



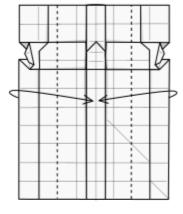
22. Reverse and fold the flap.



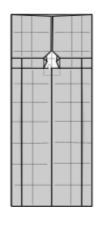
23. Fold as shown.



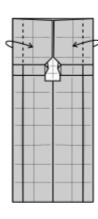
24. Fold the corner up.



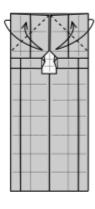
25. Book fold.



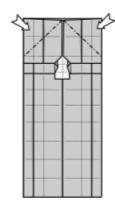
26. Move the flap out.



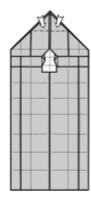
27. Swing the flap.



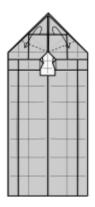
28. Fold and unfold.



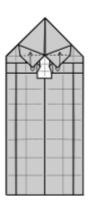
29. Reverse fold.



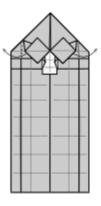
30. Reverse fold.



31. Fold as shown.

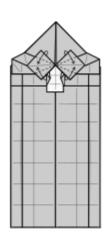


32. Lift one layer up.

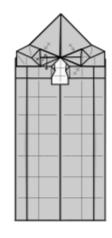


33. Release the layers.

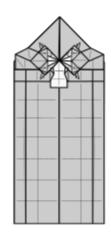




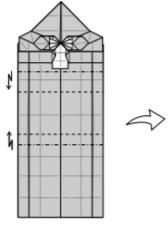
34. Valley fold.



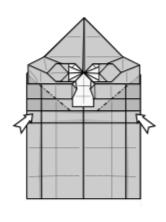
35. Squash the flaps.



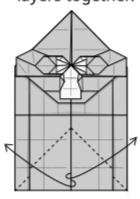
36. Mountain fold both the layers together.



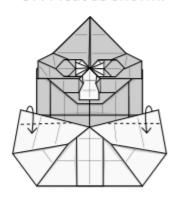
37. Pleat as shown.



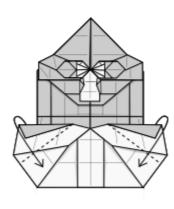
38. Reverse fold.



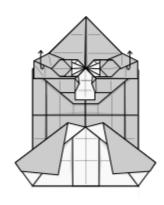
39. Open both layers.



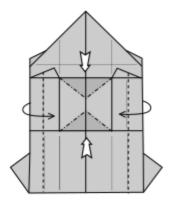
40. Fold down.



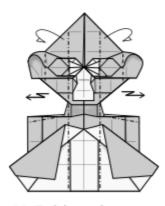
41. Fold down again.



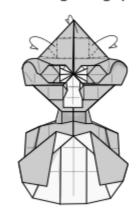
42. Curve the ear by releasing the gap.



43. Push the middle part and narrow the sides.

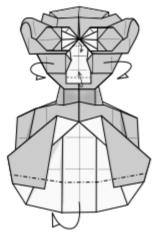


44. Fold as shown.

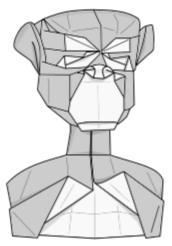


45. Collapse as shown.





46. Mountain fold the bottom. Fold the mouh and nose. Make pleats in eyes.



47. Model finished.

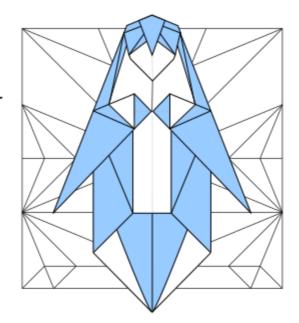
Winter Schoolgirl

Designed & Diagrammed by Rudra Joshi 2022

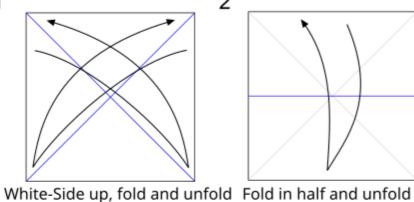
Recommended Size: 15-20 cm2

Paper: Duo-Color Kami, Double-Tissue

Mountain: Valley:

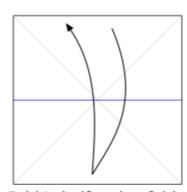


1

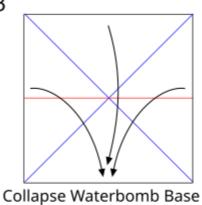


along the diagonals

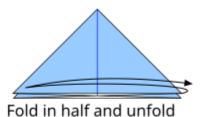
2



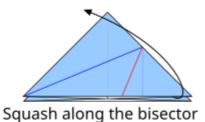
3



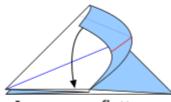
4



5

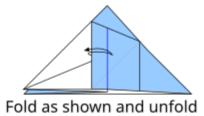


6

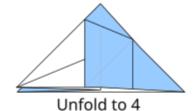


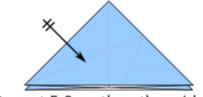
In process, flatten

7



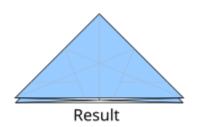
8

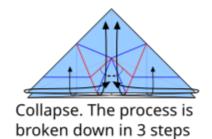


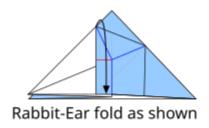


Repeat 5-9 on the other side





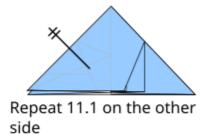


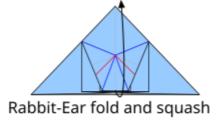


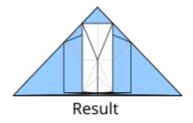
11.2

11.3

12



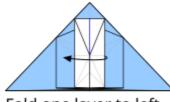




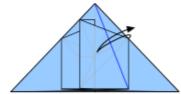
13

14

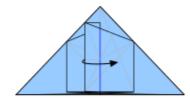
15



Fold one layer to left

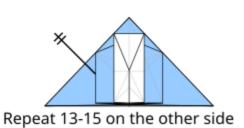


Fold bisector and unfold

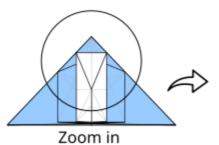


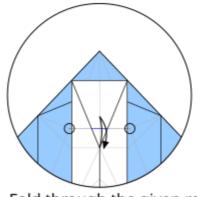
Fold back the layer to right

16

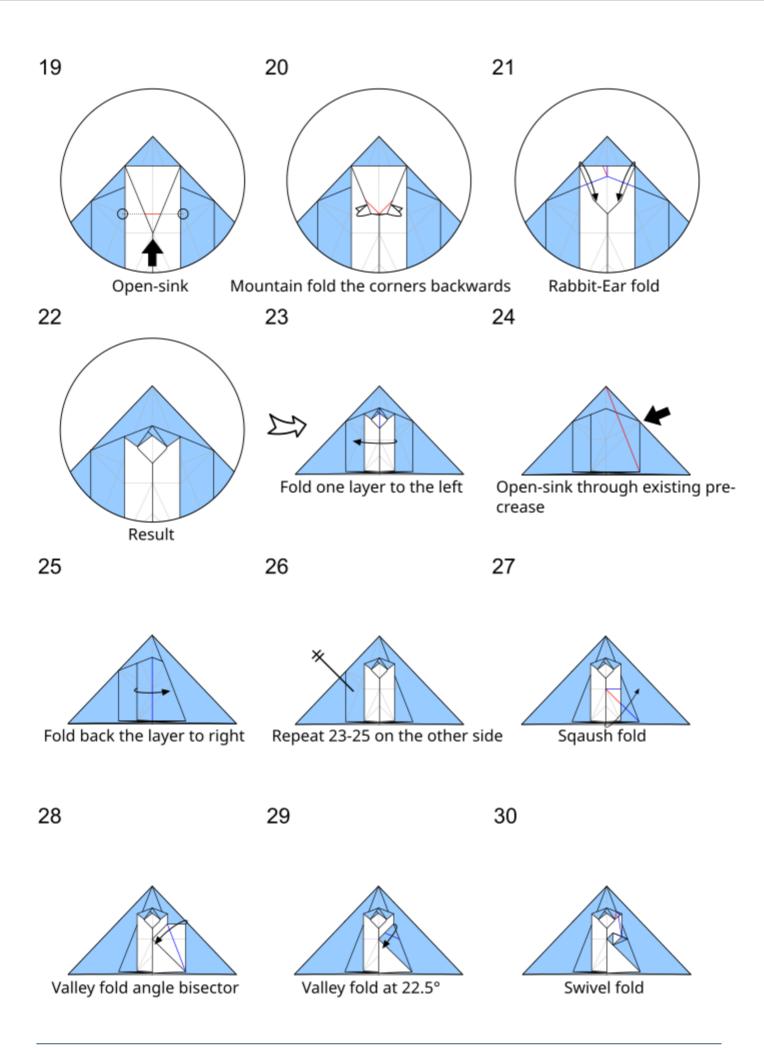


17

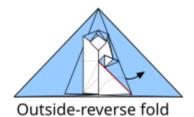


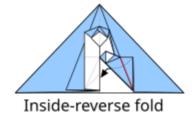


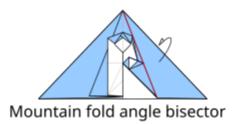
Fold through the given reference and unfold



31 32 33







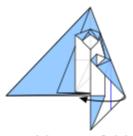
35 34 36



Mountain fold angle bisector (first layer only)



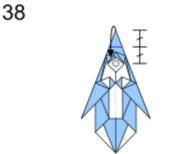
Mountain fold perpendicular from intersection



Rabbit-Ear fold

37

Repeat 27-36 on the other side Valley fold through shown



reference



39

Rabbit-Ear fold as shown



Origami Santa Claus

Design & diagram © 2021 Shubham Mathur (India)

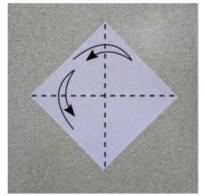
@shubham_origami_world

Recommended Paper: 15x15cm bicolor paper

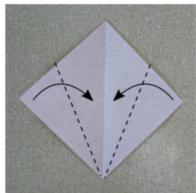
Difficulty: Intermediate

Notes: This model has two variations (with & without eyebrows) the diagrams contains steps to fold both of them. From step 12, jump to step 40 for clarification.

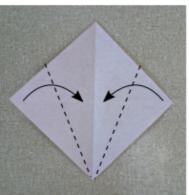
· - · · Mountain Fold Valley Fold



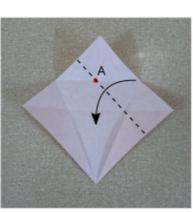
1. Fold and unfold diagonals



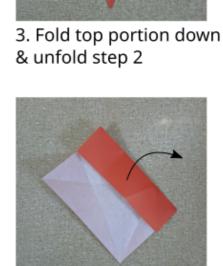
2. Fold the edges to



center line



5. Fold the edge using reference point A

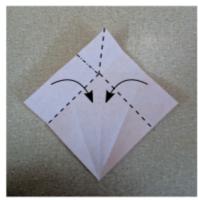


6. Unfold

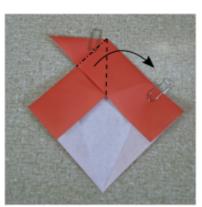




7. Repeat steps 5-6 on other side



8. Rabbit-ear fold as shown



9. Squash fold this flap





10. Fold the layer up



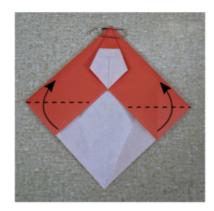
11. Mountain fold in half



12. Mountain fold in half again



13. Mountain fold (see step 40 for eyebrows)



14. Fold up



15. Rabbit-ear folds



16. Focus on rabbit-ear flaps



17. Outside reverse fold



18a. Squash fold along creases



18b. Intermediate step, fold to center

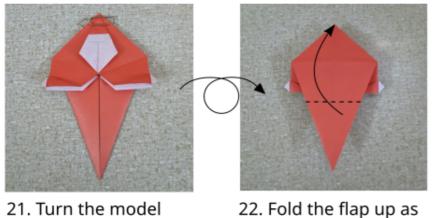


19. Fold the flap down



20. Repeat steps 18-20 on other side

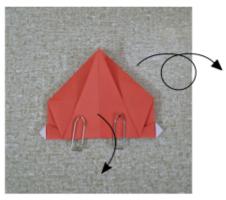




21. Turn the model over



24b. Showing progress

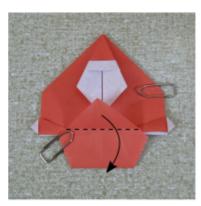


23. Unfold and turn the model over again





24c. Expected result



24a. Open the loose

layers as shown

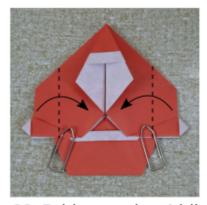
25. Fold down



26. Mountain fold in half twice



27. Bring one layer up on both sides



28. Fold towards middle (up to beard)



29. Mountain fold as shown (not the white part)

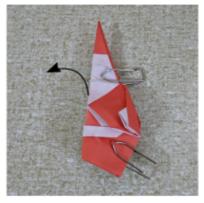


30. Mountain fold in half vertically

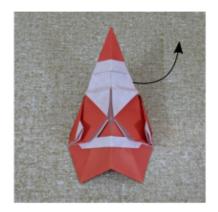




31. Reverse fold(Don't do if you want it to stand)



32. Flatten slightly again to step 30



33. Unfold step 29



34. Make a pleat fold (mountain & valley)



35. Refold as done in step 29



36. Pull out the some trapped paper



37. Fold down to make moustache



38. Fold the tip down and shape the hat



39. Done! (without eyebrows)



40. Inside reverse fold to center

Note: From step 40-44, the steps show the folding sequence for eyebrows. You can start these after step 12 and then continue from step 14 (don't mind how the rest of the body looks, only focus on face)

Also, step 31 is optional. Do that if it is desirable to show legs otherwise skipping that step will make the model able to stand on it's own





41. Inside reverse fold again as shown



42. Mountain fold the corners



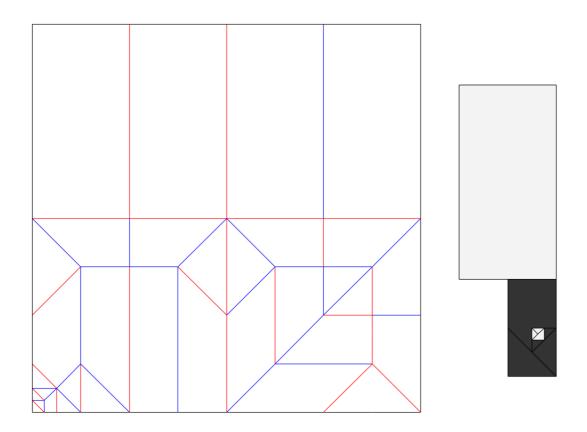
43. Valley fold to make eyebrows



44. Now continue from step 14 in case you followed from step 40 after step 12



45. Finished! (with eyebrows)



Cleaver (Crease Pattern)

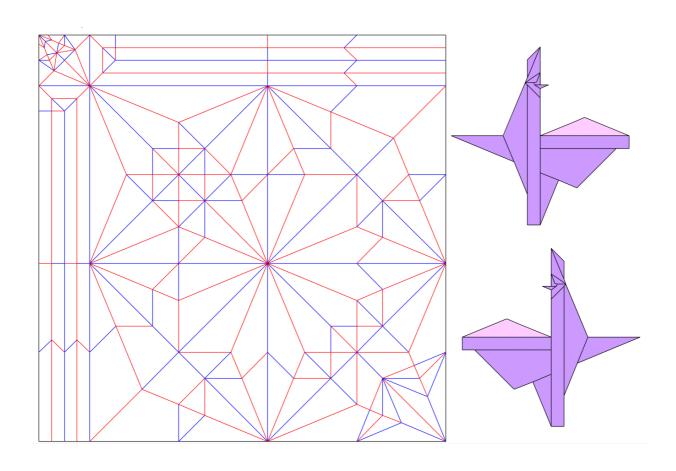
Designed by: Sampreet Manna

Level: Easy

Paper: Tissue Foil

Recommended size: 15x15 cm





Pegasus (Crease Pattern)

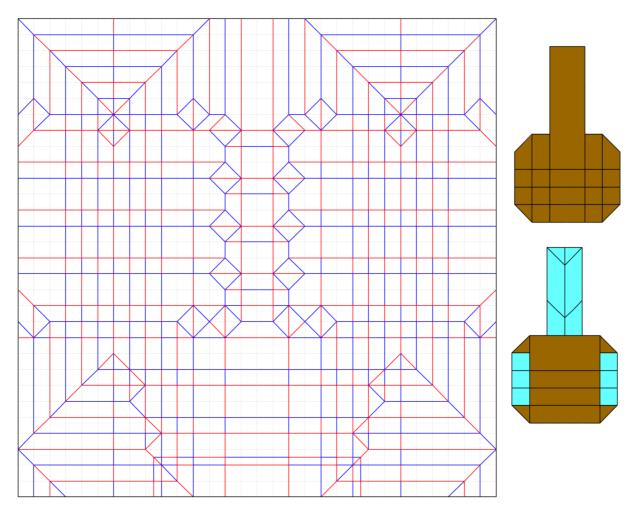
Designed by: Rakesh Dhanda

Level: Low-Intermediate

Paper: Double tissue/ Kami

Recommended size: 25x25 cm





Turtle (Crease Pattern)

Designed by: Vishwa Rajesh

Level: High-Intermediate

Paper: Double tissue

Recommended size: 35x35 cm







Shubham Mathur

- o @shubham_origami_world
- Shubham Origami World

Shubham Mathur is an Assistant Professor based in Jodhpur, Rajasthan.

He has been doing origami for more than 13 years and most of his designs are based on 22.5° figurative origami models incorporated with patterns as well as color-changes from paper folding. He has taught origami in various online workshops to national as well as international participants and has judged origami, kirigami, and craft based competitions at some colleges in India. He wants to make more people learn and take interest in this wonderful art.



Sampreet Manna

- (©) @sampreetmanna
- Sampreet Manna Origami

Sampreet Manna is a biotechnology-genetic engineering student, self-taught origami artist/designer, still life photographer, former table-tennis player, and sketch artist from Kolkata.

He became enthusiastic with origami at the age of 12. He likes to discover the science & mathematics behind origami. He focuses on designing Circle packed models with 22.5° and box-pleated models with specialization in designing animal figures. He believes that Origami has the power to change the future in terms of applied science. His vision is to showcase vast possibilities of origami to India and world.



Rudra Joshi

👩 @eterno_ori

Rudra Joshi is a high school student, self-taught origami artist, aspiring automobile and graphic designer, as well as a photographer from Ahmedabad, Gujarat.

His designs are mostly based on 22.5° geometry and include color-changes as well. His motive is to create humanoid models with 22.5° design method, which are rare as compared to its box-pleated counterpart. His interest for origami was awakened at the age of 5 and he received great motivation to finesse his skills. Since then he has been practicing the artform and has expanded his skillset by diagramming Origami instructions.



Shrijit Nair is a self-taught paper artist from Kerala and lives in Dubai. He works as an HR professional, blogger, corporate trainer, and creative visualizer.

As a child, he became interested in paper crafts and origami. Shrijit continued to seek out artistic outlets as an adult in order to rekindle his creativity. By investigating and researching new areas of folding, he was able to rekindle his childhood love of paper and get a better understanding for the beauty of origami. He enjoys origami and utilizes it to help youngsters and businesses improve their creative thinking skills.



Rakesh Dhanda

© @the_curious_ra.ke__origami

Rakesh Dhanda is a self-taught origami artist/designer and web designer from Haryana. He got to know about origami in 2018 and started designing origami models in 2020. He is proficient in designing complex box-pleated models along with 22.5° models including color-changes. He wants to push his boundaries by designing ultra-complex models.



Vishwa Rajesh

o «v_i_s_h_w_a__r

Vishwa R is an Engineering student, origami artist, graphic designer and animator from Kerala. His passion for paper folding started from a young age and started designing shortly afterwards. He focuses mainly on box-pleated origami models and has an inclination towards color-changes. His designs primarily consist of abstract human figures that are completely from his imagination & Insects are also his strong suite.



Vishwa Sarathi

o @vs.origami

Viswa Sarathi is a high school student from Tamil Nadu. He aspires to be a mechanical engineer and sculptor.

His interest for Origami started at the age of 7 and he is practicing the art form ever since. He started to design origami models at the age of 14 and specializes in incorporating clever use of level-shifters and unaxial box-pleating to create unique designs.

