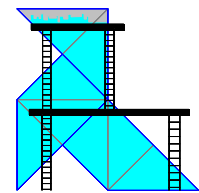


Scaffold

Helping to support and maintain the world of origami



Scaffold proves a success after just one issue

Hello, folders, and welcome to the second issue of SCAFFOLD. The first issue was met with plenty of enthusiasm and I hope future issues will be as well. As SCAFFOLD matures you should see an increase in the number of diagrams in each issue.

In the meantime if you happen to like folding modulars, make sure you check out this month's book review for an excellent book.

Peace Origami Tree Project

Folder Gerwin Sturm has asked that I post the following message regarding

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the Peace Origami Tree Project. I am happy to do so.

Dear friends,

We would like to invite you to take a part in the second Origami exhibition of the International Peace Origami Tree Project. Welcome to the project Web site <http://home.pages.at/origami> where you can find some further information. We will be glad to display your models and know your opinions regarding an advantage of the Art of Origami in Education.

Larissa, Aleksandr and Anastasia the Levashovs
The Peace Origami Tree Project
Novorossiysk
Russia

Paper Crystals

I was driven to purchase David Mitchell's PAPER CRYSTALS because it had instructions for his beautiful Enigma Cube. But once the book arrived I realized there were other treasures awaiting between its covers.

Shortly after opening the book I had embarked on a journey to fold Proteus, an ingenious 30-piece icosidodecahedron. Soon I had the beautiful framework model completed.

Next was the Aurora, a dodecahedron made of conical-like units that joined all the way to the center of the model (but the last piece still went in easily. But then I tried the Cloud of Stars, another dodecahedron. This model is made from 30 units. But each unit is made from three simpler units. Upon near completion, the folder has a beautiful dodecahedron with solid-color pentagonal faces. But the final step takes these faces and remakes them as three-dimensional stars thus leaving the folder with a beautiful sphere of colored stars against a dark background. Absolutely amazing.

One of the things that really thrilled me about this book was the simplicity of the modules. David Mitchell has created some beautiful pieces and supplies simple and clear instructions for folding them. The instructions also give details on how best to utilize multiple colors. I have quite a number of books dedicated to modular origami, but PAPER CRYSTALS has shot to the top of my list.

PAPER-CRYSTALS (ISBN 0-9534774-2-8) is published by Water Trade and is an absolute must-buy for anyone interested in beautiful modulars.

Submissions

SCAFFOLD thrives on being able to bring new folds to its readers. In order to do so, diagrams have to be sent in. I will accept diagrams electronically or on paper but electronic diagrams are faster to process. Electronic diagrams should be sent to scaffold1@aol.com while printed diagrams can be sent to:

Joshua Koppel
PO Box 641374
Chicago, IL 60664-1374

All diagrams should be accompanied by a statement consenting to their publication in this newsletter. Diagrams without such a statement will not be published until such a statement is received.

It is possible for me to diagram models for others but my time for such activities is limited as I am trying to get my own collection of original models committed to print. Thus any diagrams I need to create could take a number of issues before it sees publication. I will use diagrams as they are submitted with no changes unless requested by the designer.

New Books

While gathering contact information for the first issue of this newsletter, I decided to peruse the books available from Origami USA. A short while later I placed an order and the following books are now part of my origami collection:

MILLENNIUM DRAGON
CHALLENGE by Origami
USA(English)
ORIGAMI 3 by Robert Harbin
(Hebrew)
ORIGAMI 4 by Robert Harbin
(Hebrew)
DINOS AND FELLOWS by Peter
Budai (Hungarian) (ISBN 9-634-50460-
4)
SAFARI ORIGAMI by Lionel

Albertino (French)

Inspiration

In its first issue, SCAFFOLD proved to be a success. SCAFFOLD's purpose is to share original origami works with folders from all over. One of the models in the first issue was a flapping crane. This crane is made from a base I designed called an Extended Bird Base. Folder Gerwin Sturm saw potential in the base and created some new models from it. Photos and diagrams of these models can be found at his web site <http://stud3.tuwien.ac.at/~e9825530/origami/index.html>. I have been informed that diagrams will show up on the site soon.

Folding in Chicago

If you are a Chicago area folder or just in town visiting, why don't you stop by and visit CHAOS, the Chicago Area Origami Society. Meetings are held on the second Saturday of each month at the Garfield Park Conservatory from 1 PM until 4 PM. The next couple of meeting dates are:
March 10, 2001
April 14, 2001
May 12, 2001
The conservatory is located at 100 N. Central Park Ave. I hope to see you there.

This month the monthly meeting coincided with the chocolate festival being held at the conservatory. Thousands of people showed up for the festival and many attended the meeting. Robert Smith, who had been fighting off a cold, taught the sonobe cube, which proved very popular that day, as well as the traditional crane. Member Jerry taught the Star Box and various other

models. By the end of the day many people had tasted origami for the first time and many parents and teachers left with flyers about where to find more folding sessions.

Folding Help

I have found a wonderful device that has been a boon to folding in my household. The device has several names depending upon who is selling it. It is a desktop that fits across the arms of any chair. It can also be used as a lap desk if you are on a couch or armless chair. It is long and curved with a little more or less than three square feet. It also has two elastic straps that are perfect for holding extra paper, folded units or holding open one of those pesky origami books that likes to keep closing.

I have found this surface perfect for folding on while trying to keep an eye on an industrious toddler. I can get a better view of any room from a chair than from at a table.

I purchased mine from the Levenger catalog. They call it the Levenger Lap Desk and sell it for \$39.00 (a little steep). A very similar one can be obtained from the Vermont Country Store catalog. Theirs is called Instant Desktops and sells for \$14.95.

A Levenger catalog can be ordered at 1-800-544-0880 (561-276-4141 international) and the Vermont Country Store catalog can be ordered at 1-802-362-8440.

Subscriptions

Subscriptions to SCAFFOLD are free as it is an electronic newsletter (maybe diagramletter would be a better name).

I hope to publish on a monthly basis but this is a labor of love so I will not make any guarantees at this time. As time goes by production should be smoother. In the future, print copies may be available in certain circumstances but not yet.

Subscribing is easy. Just send e-mail to scaffold1@aol.com and let me know where you would like your issues sent. What could be easier?

If you have received this newsletter and do not wish to receive it again, please contact me at scaffold1@aol.com and accept my apologies.

If you know of anyone who would like to receive this newsletter, please let me know at scaffold1@aol.com and I will add them to the distribution.

Back Issues

Have you lost one of your old SCAFFOLD issues? Need a new one?

Or do you just want to send one to a friend? Whatever the reason, back issues are very easy to order. Just send e-mail to scaffold1@aol.com and state which month or months you would like. The requested issue(s) will be quickly sent to you.

The Models

With SCAFFOLD only a few days old I received the first model submission. I hope this will continue.

Cactus in a Pot

A delightful model of a cactus in a pot sent in by designer David Petty. This is a fun model to fold as it is easy and yields a wonderful finished model.

This model is also in photo step form in his book "Origami to delight and amaze" by D&S books. ISBN is 1-903327-08-3. This book will be published in the USA this year. More details about the book can be found on the author's web site:

<http://members.aol.com/ukpetd/>

Extended Bird-Base

A second folding sequence for creating my new base.

Hummingbird

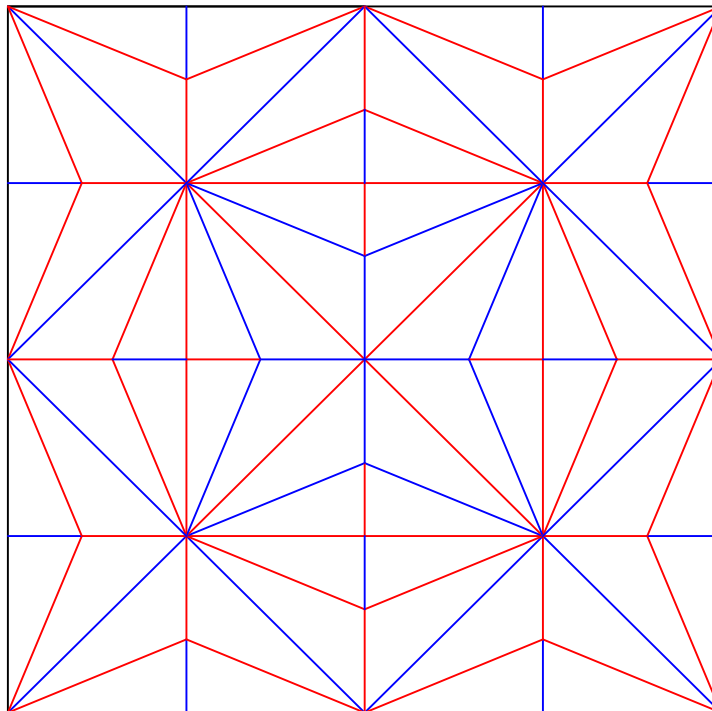
One of the first models I created with the Extended Bird-Base. It only takes a few folds but I am pleased with the results.

4-Point Star 1

A simple star created by using the Extended Bird Base and folding the Super Star from Robert Harbin's NEW ADVENTURES IN ORIGAMI. I had a surprise when I discovered the additional four center points that result from the new base.

4-Point Star 2

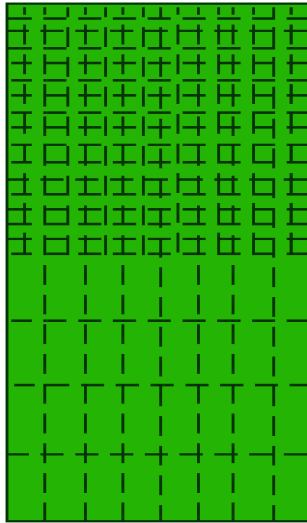
A variation of the previous star but with much longer points. This one does not have the additional center points but I find it beautiful.



Crease pattern for the Extended Bird Base

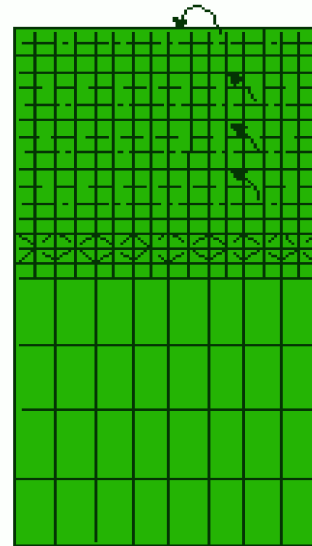
CACTUS IN A POT

1



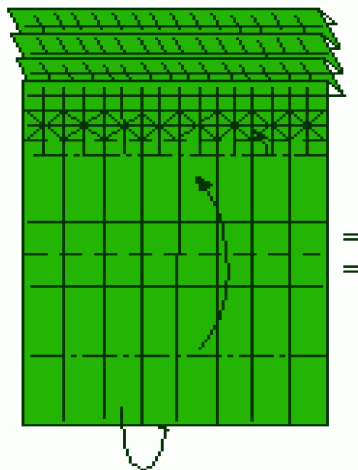
precrease a 2x1 rectangle,
top square into 1/16ths
lower square into 1/4ths by 1/8ths

2

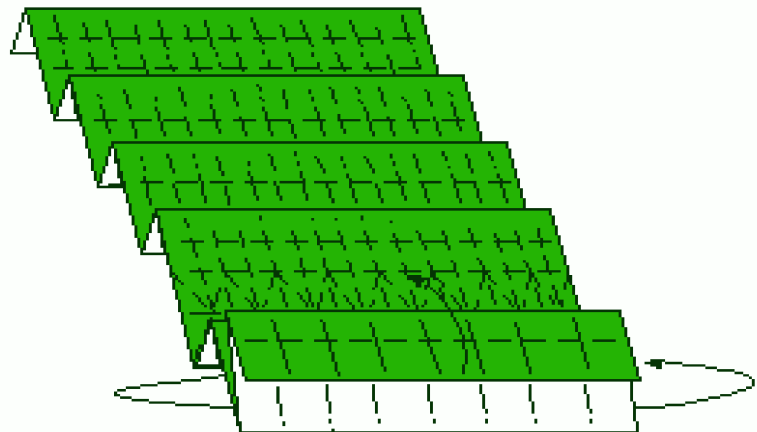


add 45 degree creases
(one row above centre creaseline)
then pleat as shown

3

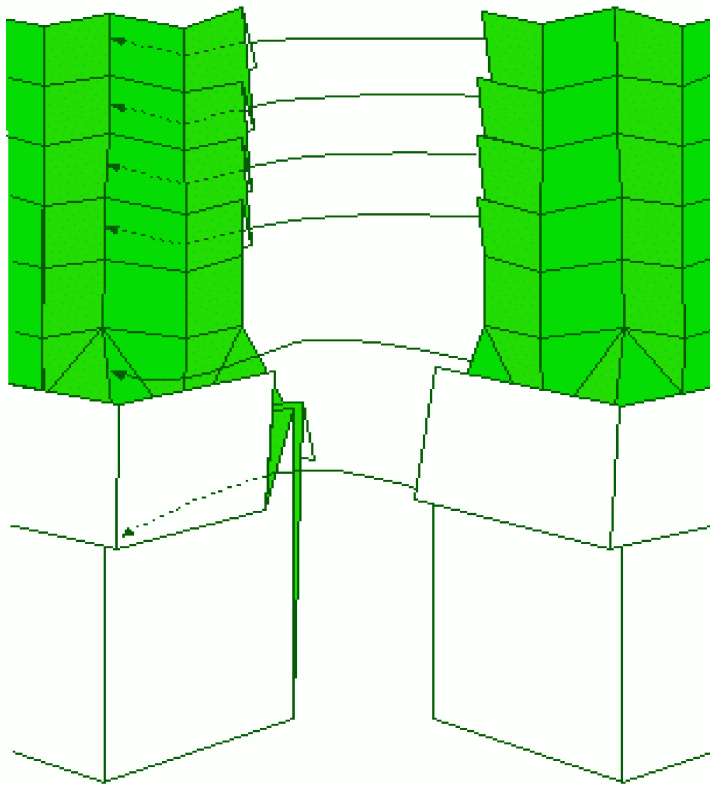


4



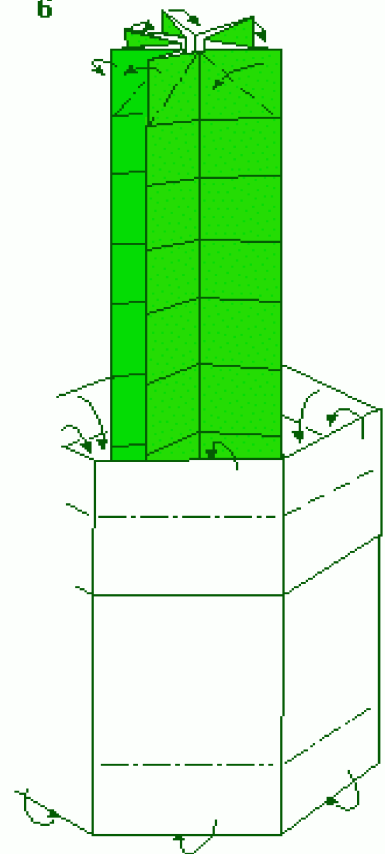
fold bottom edge up to top of
diagonal creases.
next form pleats with waterbomb-like
lower part, then
bring sides together

5



interlock and overlap 2/18

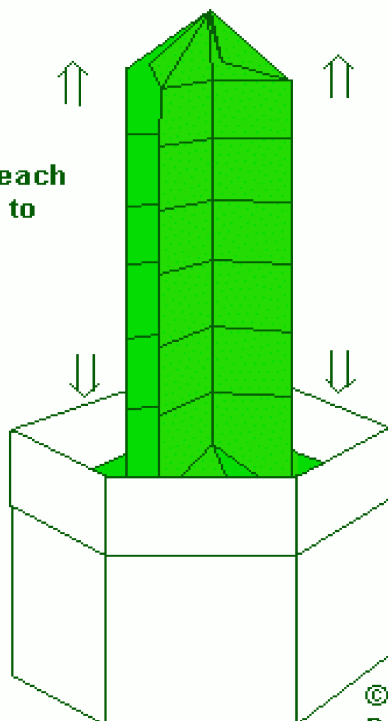
6



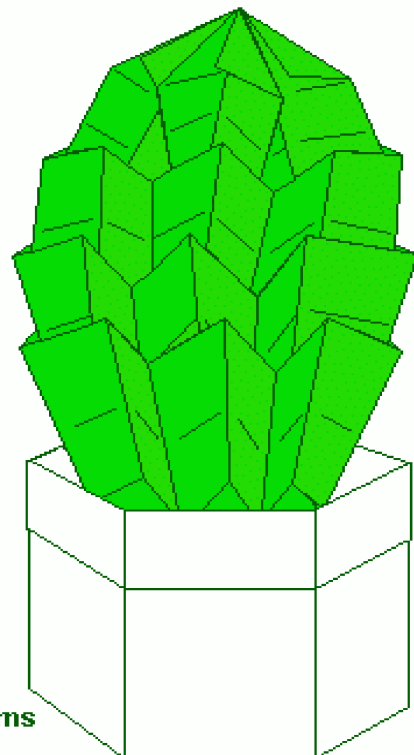
fold edges in to lock pot

7

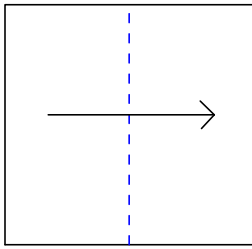
stretch each
top flap to
shape



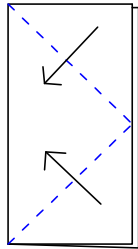
8



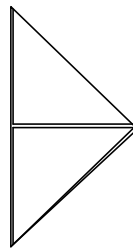
Extended Bird Base by Joshua Koppel



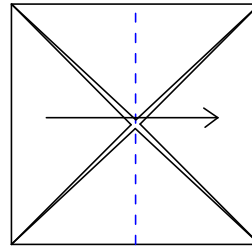
1. Fold in half.



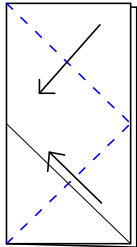
2. Fold corners in.



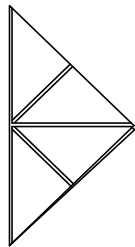
3. Open up.



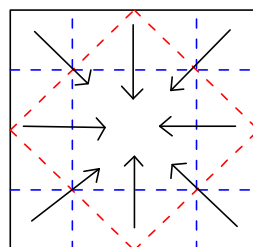
4. Fold in half.



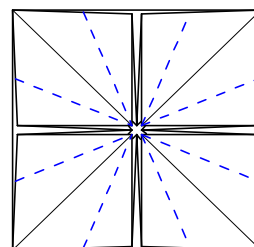
5. Fold corners in.



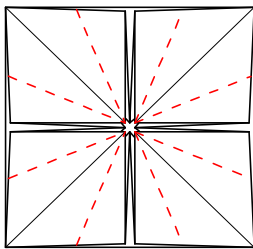
6. Open up completely.



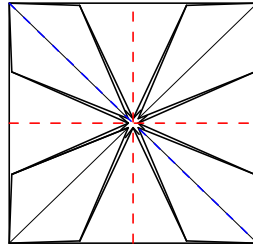
7. Collapse using existing creases.



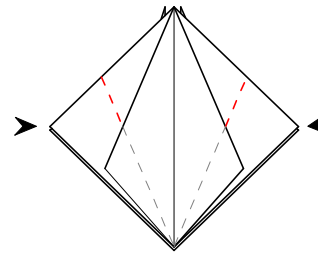
8. Fold and unfold.



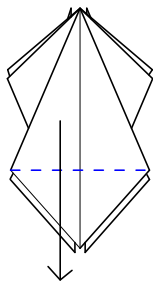
9. Sink corners along creases.



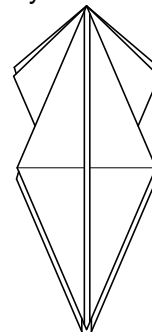
10. Create a preliminary fold.



11. Sink all 4 corners.



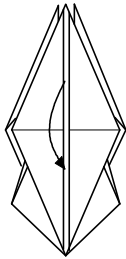
12. Fold all 4 flaps down.



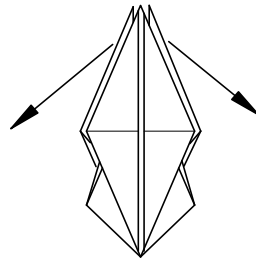
13. The completed Extended Bird Base.

Hummingbird by Joshua Koppel

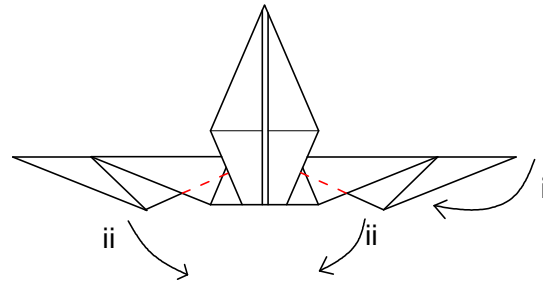
Begin with an Extended Bird Base.



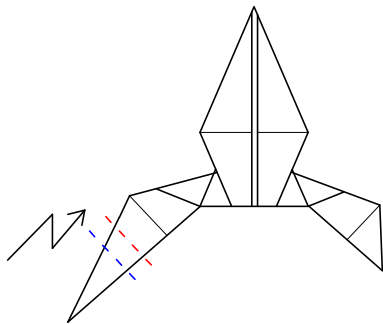
1. Fold down hidden point. Repeat behind.



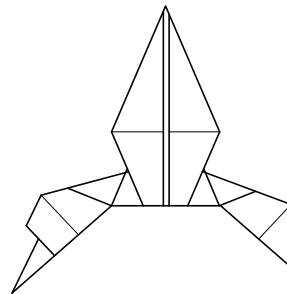
2. Stretch the bird base by pulling the inner points out.



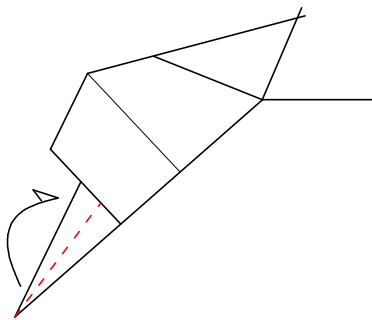
i. Swing point inside.
ii. Inside reverse the two points.



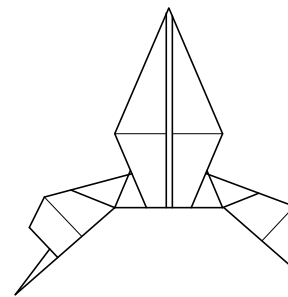
4. Crimp the longer point...



5. ...like so.



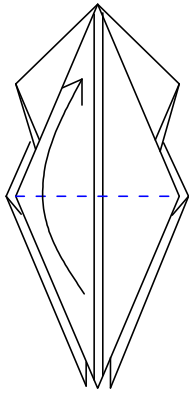
6. Narrow the beak.



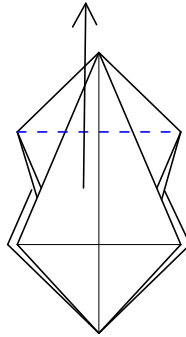
7. The finished Hummingbird.

Star 1 by Joshua Koppel

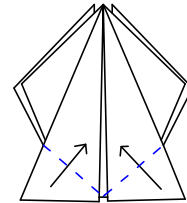
Begin with an Extended Bird Base.



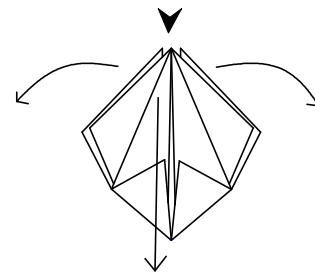
1. Fold the front flap up.
Repeat with other 3 flaps.



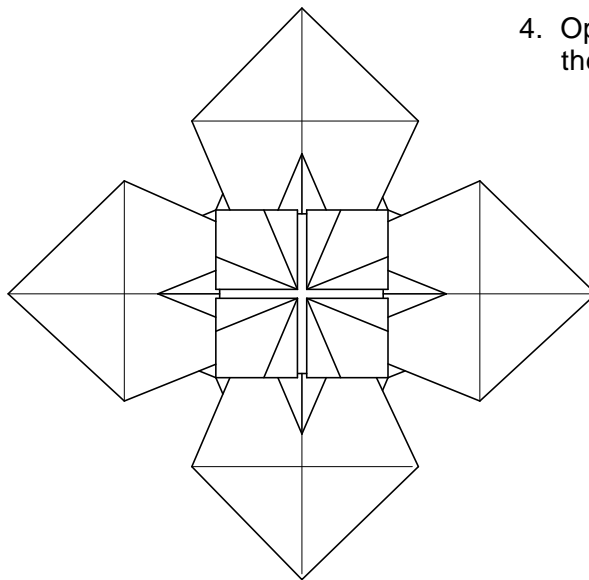
2. Fold the front flap up.
Repeat with other 3 flaps.



3. Fold front 2 corners to center.
Repeat behind.



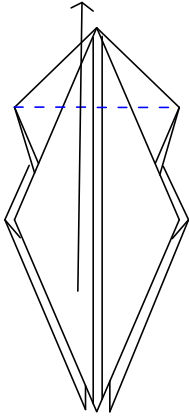
4. Open out while squashing
the center.



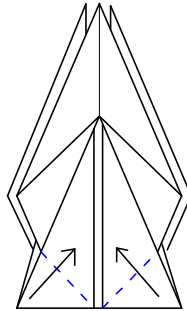
5. The completed Star.

Star 2 by Joshua Koppel

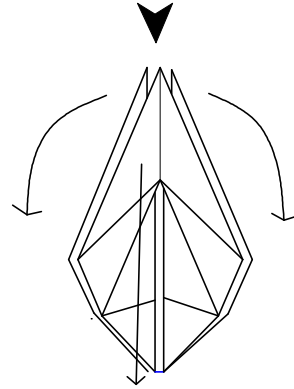
Begin with an Extended Bird Base.



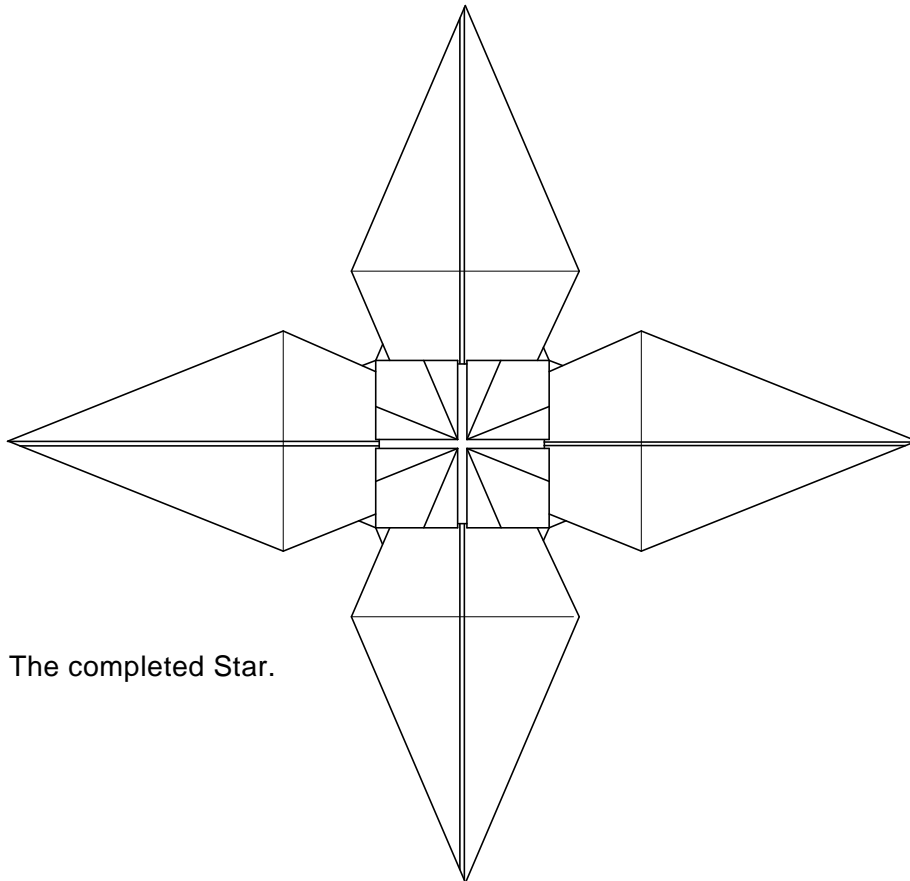
1. Fold the front flap up.
Repeat on other 3 flaps.



2. Fold points to center.
Repeat Behind.



3. Open up while
squashing the
center.



4. The completed Star.