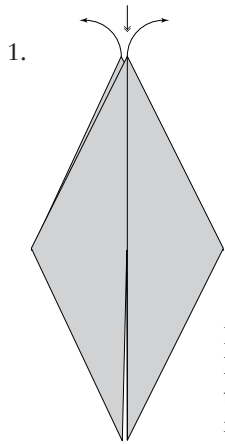


# Full Suspension Mountain Bike

Designed by Brent Marshall  
Skill Level: Advanced

This fold is dedicated to my friends Julie & Murray, who had I not met my obsession with biking would never had met such fevered levels! It seems strangely coincidental that it took a plane ride to their wedding to come up with this fold, but its all the more fitting. We can now fold this model in hopes of more great rides, wherever that may take us.

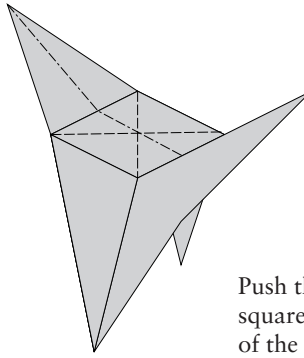
BM



1.

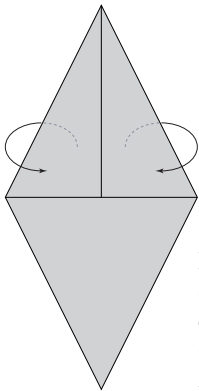
Begin with the Bird Base.  
Pull the top two flaps apart  
till the small triangle in the  
middle flattens out.

2.



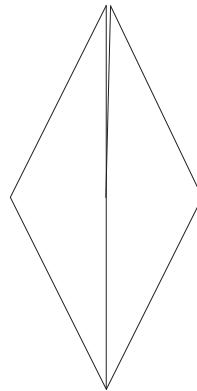
Push the centre  
square down. Two  
of the flaps will  
stick up.

3.



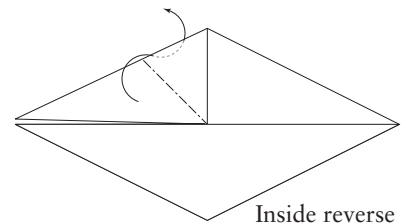
Pull the inner layer of paper  
out reversing the folds and  
changing the colour. Repeat  
on the left side (but not on the  
reverse). This fold is easiest to  
do if you unfold the whole model  
then refold it.

4.



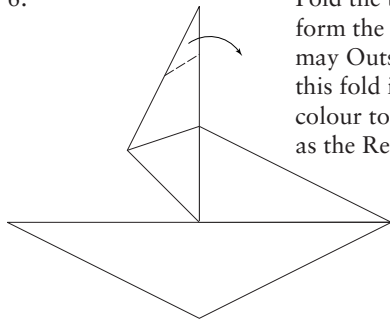
Rotate 90°

5.



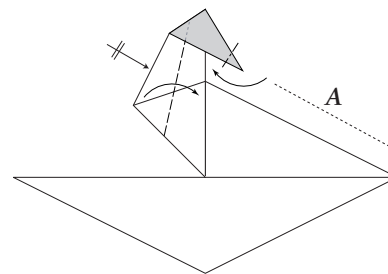
Inside reverse  
the top point.  
This will become  
the Seat Post  
and Saddle.

6.



Fold the tip over to  
form the Saddle. You  
may Outside Reverse  
this fold if you want the  
colour to stay the same  
as the Rear Derailleur.

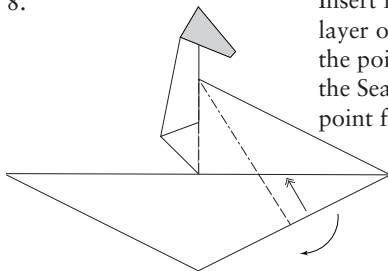
7.



Tuck the tip of  
the Saddle in. Note,  
the bottom edge of  
the Saddle is parallel  
with the edge A.

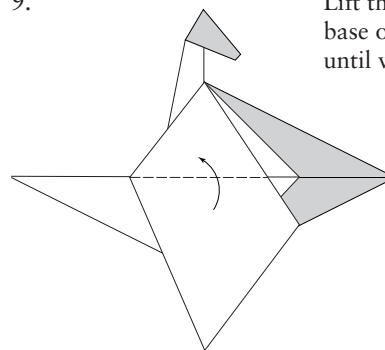
Narrow the Seat Post.  
Tuck the Seat Post  
under the Seat. Repeat on other  
side.

8.



Insert finger under the top  
layer of paper, opening up  
the point. Valley Fold down  
the Seat Post and squash the  
point flat.

9.

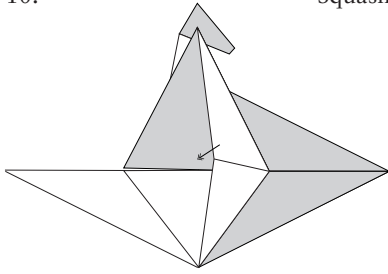


Lift the bottom tip up to almost the  
base of the Seat. This fold will not sit flat  
until we complete step 10.

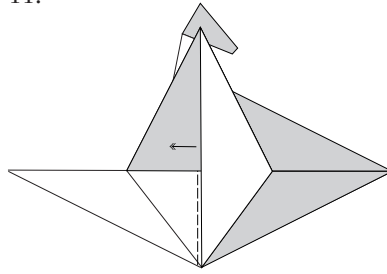
# Full Suspension Mountain Bike

Designed by Brent Marshall  
Skill Level: Advanced

10. Squash the flap flat.

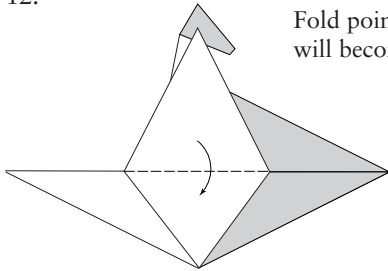


11.



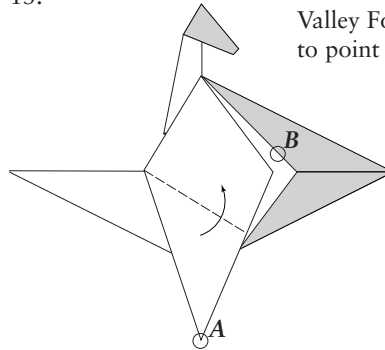
Pull the inner flap out and Valley Fold along the existing centre crease.

12.



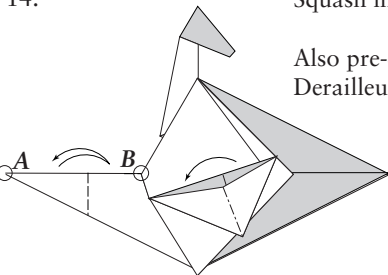
Fold point down. This will become the Chain Ring.

13.



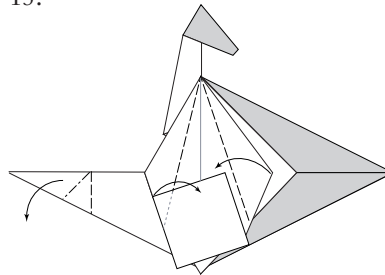
Valley Fold bottom point A, to point B.

14.



Squash into a square.  
Also pre-crease the Rear Derailleur.

15.



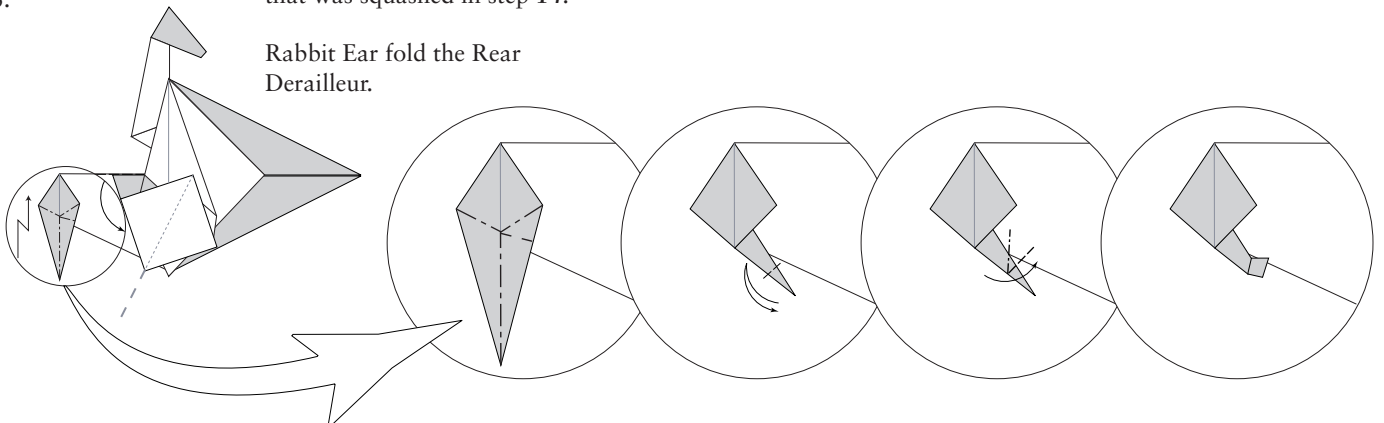
Valley Fold both flaps below the Seat Post in to the centre crease, below the square.

Squash the Rear Derailleur along the crease we made in step 14. At this point you can also flip the white side of the paper inside the squash to make the Rear Derailleur the same colour.

16.

Inside Reverse the coloured triangle beneath the square that was squashed in step 14.

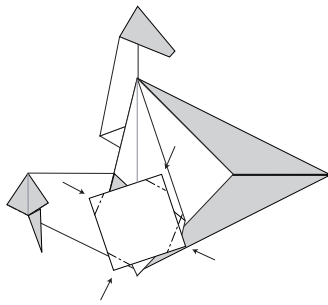
Rabbit Ear fold the Rear Derailleur.



# Full Suspension Mountain Bike

Designed by Brent Marshall  
Skill Level: Advanced

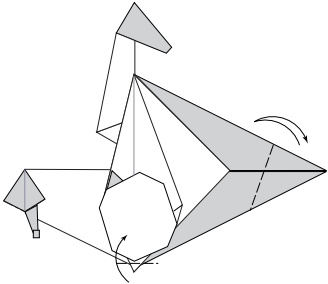
17.



Sink the corners of the front Chain Ring and make it look round.

Pre-crease the point in the Rear Derailleur. This will create the Jockey Wheel.

18.

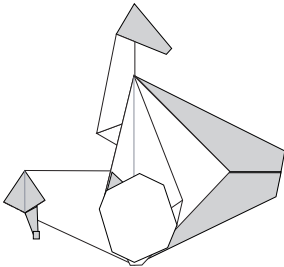


Pre-crease and Sink. This will be the Headtube, where the Front Wheel attaches to the Frame.

Fold the Pedal up towards the front Chain Ring.

Along the pre-crease made in step 17, squash the Jockey Wheel flat.

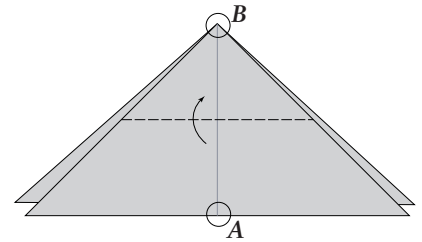
19.



The finished frameset! Now fold the two Wheels and you're ready to put them together.

## Front & Rear Wheels

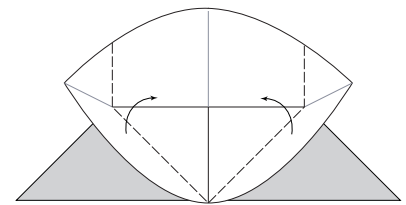
1.



Start both Wheels the same way, with a Water-Bomb Base.

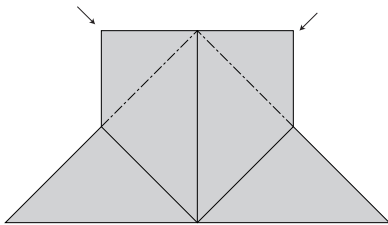
Fold the top layer from point A to B. The corners will pop up at this point.

2.



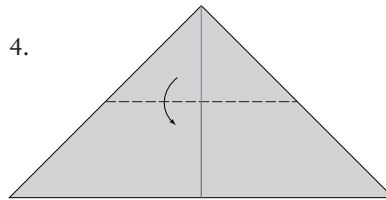
Flatten both corners.

3.



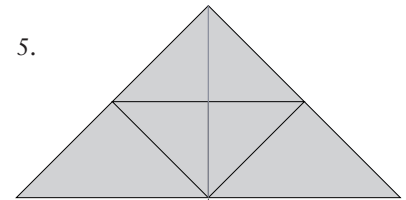
Sink both corners.

4.



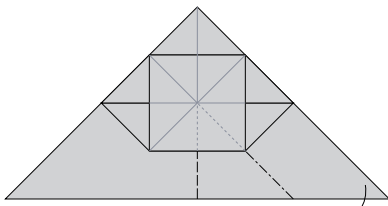
Fold top triangle down as far as it will go.

5.



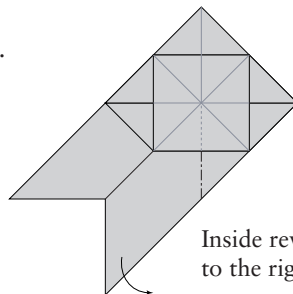
Inflate the triangle by inserting fingers in the pockets on either side of the point. Flatten as shown in step 6.

6.



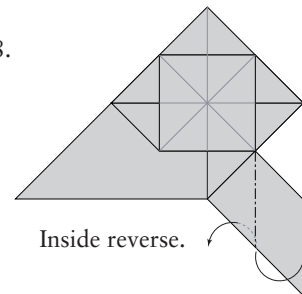
Lift the squashed square you folded in step 5 and fold the right point under.

7.



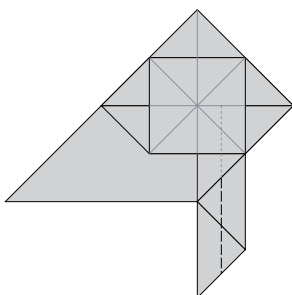
Inside reverse fold back to the right hand side.

8.



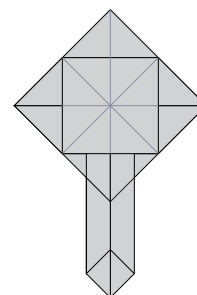
Inside reverse.

9.



Valley fold. As you do this, you will notice a point sticking out in the middle of the paper. Inside reverse this fold out of the way.

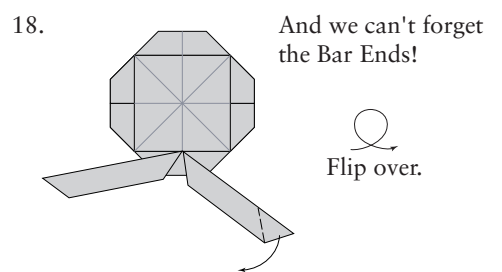
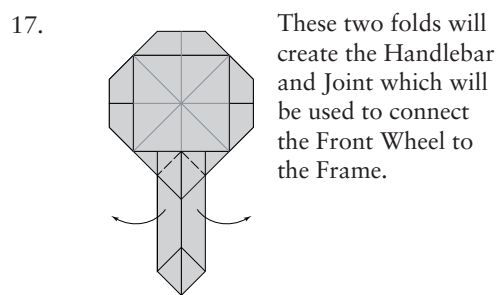
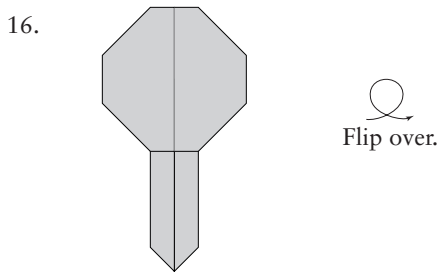
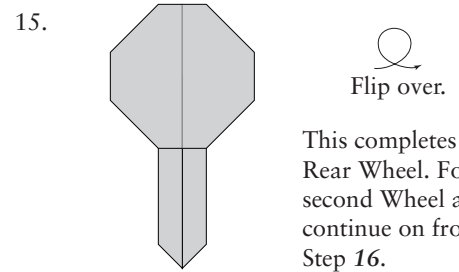
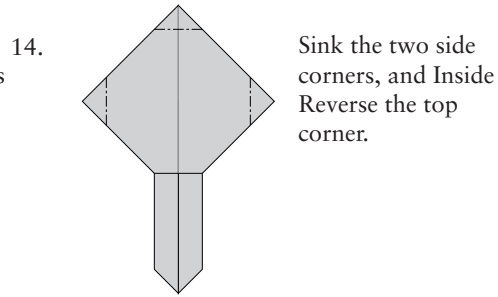
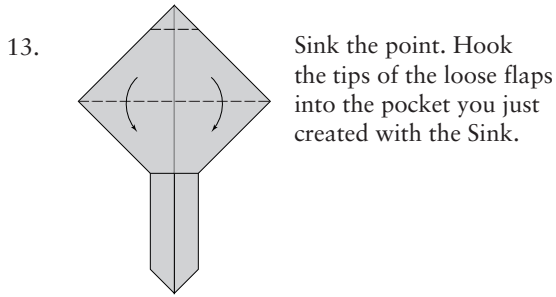
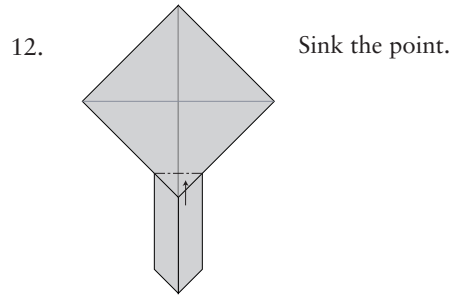
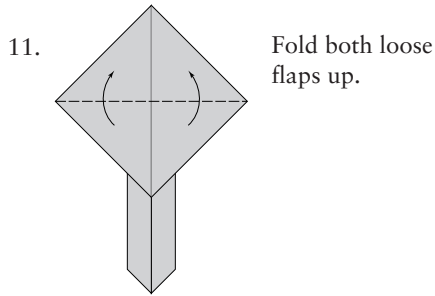
10.



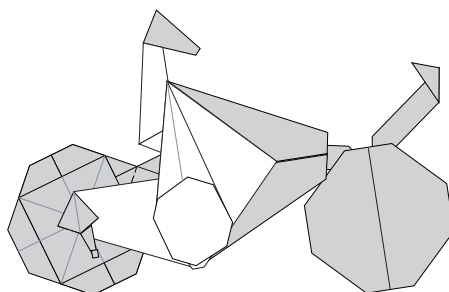
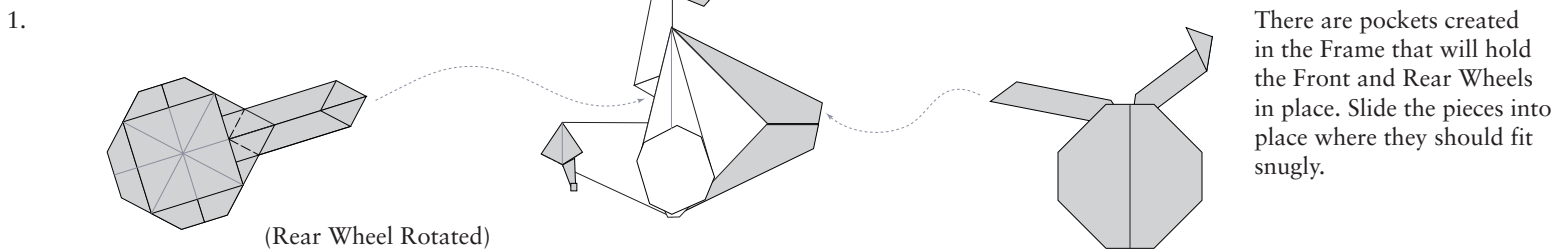
Flip over.

# Full Suspension Mountain Bike

Designed by Brent Marshall  
Skill Level: Advanced



## Full Suspension Mountain Bike Assembly



The completed model! Happy riding!