

**Matthew Green**





# **Magnificent Origami Mandalas**

**Radial Modular Origami Models  
for Enthusiasts**

# Contents

<b>Introduction ..... 8</b>	
<b>The Genesis of This Book ..... 8</b>	<b>Bases ..... 18</b>
<b>Who Is This Book For? ..... 9</b>	<b>Paper ..... 21</b>
<b>The Content of This Book ..... 10</b>	<b>Number of Units ..... 22</b>
<b>How to Use This Book ..... 11</b>	<b>Folding with Precision ..... 22</b>
The Diagrams ..... 11	<b>Building Your Modular Model ..... 22</b>
Symbols and Terminology ..... 12	<b>Tools ..... 23</b>
	<b>My Design Process ..... 24</b>

## **Chapter 1 - Waterbomb Base ..... 29**

	<b>1. Mater Castissima</b> <b>30</b>		<b>3. Mater Boni Consilii</b> <b>34</b>
	<b>2. Mater Amabilis</b> <b>32</b>		<b>4. Mater Misericordiae</b> <b>36</b>



5. Mater Admirabilis

38



10. Mater Intemerata

48



6. Mater Divinae Gratiae

40



11. Champion

50



7. Mater Spei

42



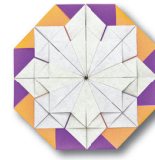
12. Mater Ecclesiae

52



8. Virgo Virginum

44



13. Mater Christi

56



9. Dei Genetrix

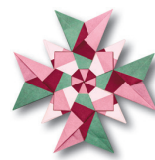
46

**Chapter 2 - Bird Base ..... 59**



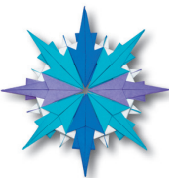
1. Star of Hope

60



3. The Butterfly Effect

66



2. Spectral Starburst

62



4. Polaris Origamica

69

## Chapter 3 - Box-Pleated Bases ..... 72



1. Paul's Star  
73



2. Reincarnation  
76



3. Enter Life  
76



4. The Destroyer  
80



5. Liz Forever  
82



6. Double Dutch  
85



7. Double Star  
88

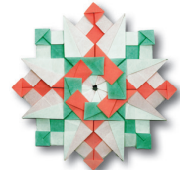
## Chapter 4 - Friendship Base ..... 90



1. Simple Friendship  
91



2. Friendly Chopsticks  
94



3. Checkered Friendship  
96



4. Friendly Memories  
98



5. Tangential Friendship  
100



6. Fall Friendship  
104



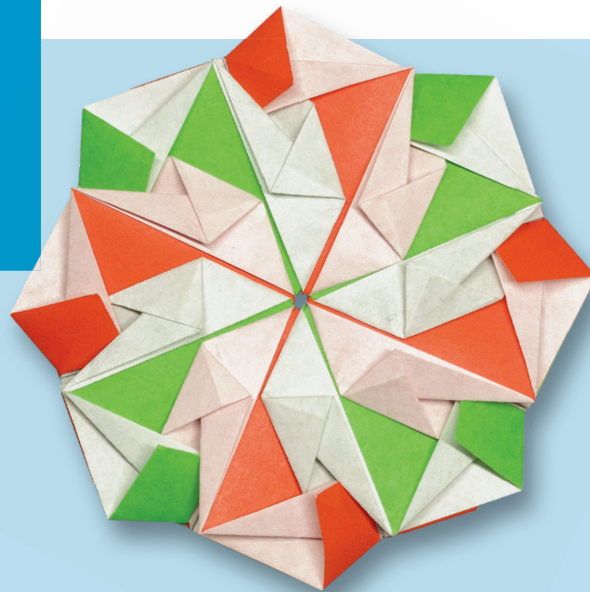
7. Chevron Friendship  
106



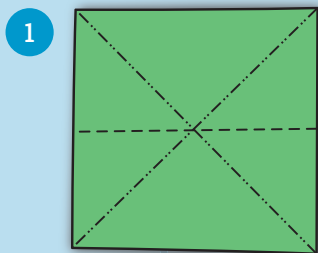
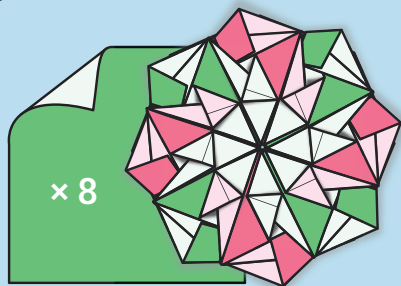
8. Glorious Friendship  
109

# 1 Mater Castissima

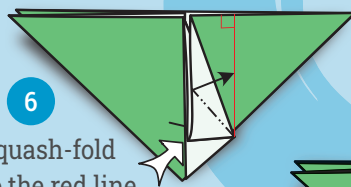
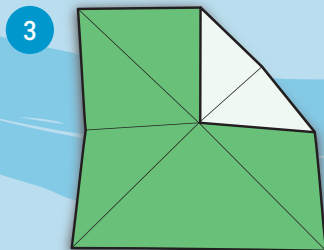
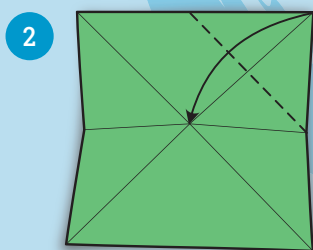
This is one of the simplest of my waterbomb base modular designs, although it was not the first one I designed. The lock used here is essentially the same in the vast majority of the models that use this base. The way the units interlock more than once makes it a fairly sturdy model.



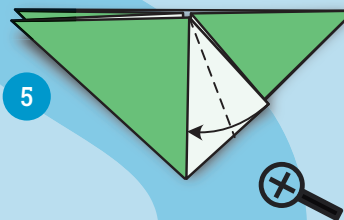
3" / 7.5 cm



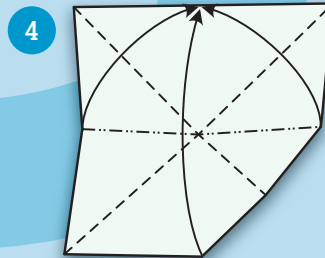
1  
Precrease a waterbomb base with the colored side out.



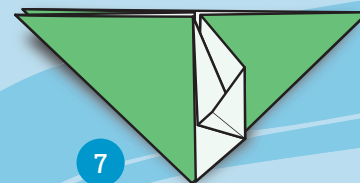
6  
Squash-fold to the red line.



5

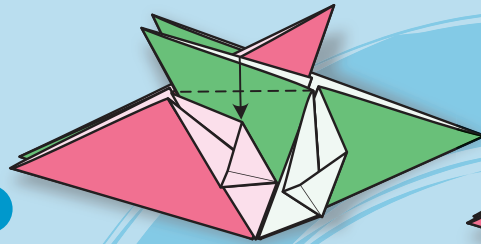


4

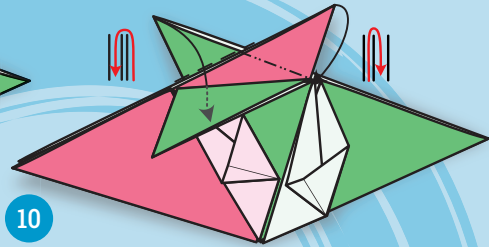


7

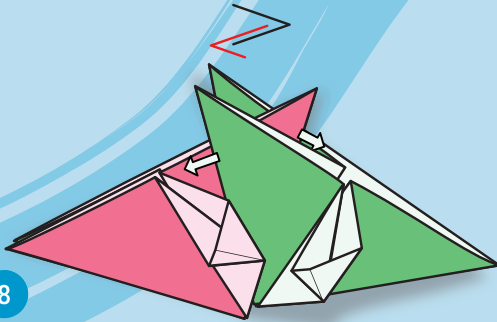
Fold another unit to continue.



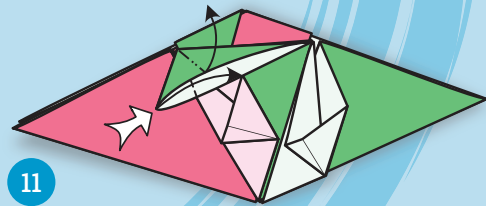
**9**  
Valley-fold only the top flap downwards.



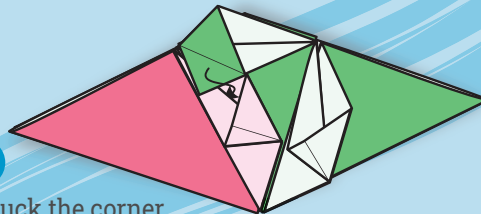
**10**  
Valley-fold the top left triangular flap down over two layers of paper, and tuck it underneath. Mountain-fold the upper right flap backwards, between the two layers.



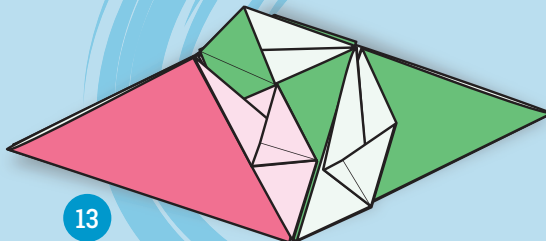
**8**  
Insert the right triangular flap of the left unit between the two left triangular flaps of the right unit. The white flap remains on top.



**11**  
Open the top layer of paper up all the way, squashing the tip of the flap to the right with a crease perpendicular to the bottom edge.



**12**  
Tuck the corner between the layers beneath it.



**13**  
Repeat with 6 more units.

