

#UNITEDFORNATURE

ORIGAMI ACTION:
How to make the Red Helleborine

with `storyigami`

ZERO HOUR 

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Red Helleborine

UK classification: **Critically Endangered**

Order: Asparagales
Family: Orchidaceae

The Red Helleborine is one of Britain's rarest orchids.

Since the 2000s, it has been confined to just three sites in southern England: Workman's Wood in Gloucestershire, Hawkley Warren in Hampshire, and Windsor Hill SSSI in Buckinghamshire. Its native range, however, stretches across Europe, North Africa and Southwest Asia.



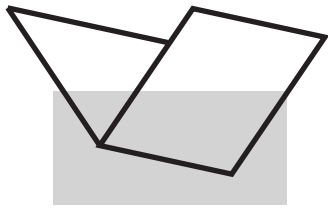
Did you know? It was named a protected species in the UK in 1975, under the Conservation of Wild Creatures and Wild Plants Act.

Studies have found the Red Helleborine to be highly sensitive to even small changes in its habitat, in particular competition with other species and light levels. It favours ancient beech woodlands on chalk or limestone soils, although it will not flower if the canopy is too dense, thus is often found in clearings in the woodland. To gain access to soil nutrients, the Red Helleborine forms a mycorrhizal relationship with fungal species in the genera *Leptodontidium*, *Phialophora*, and *Tomentella*.

Pink flowers appear between mid-June and the end of July. Typically 2 to 9 flowers but sometimes up to 17 can appear. Despite not producing nectar, the flowers are pollinated by small solitary bees and flies. Self-pollination can also be triggered by rainfall.

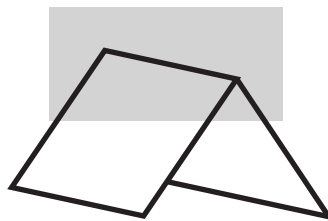
*Did you know? In continental Europe, some bee and beetle species are thought to mistake the Red Helleborine flowers for the mountainous wildflower *Campanula persicifolia*.*

Key



valley fold
(downward fold)

=



mountain fold
(upward fold)

=

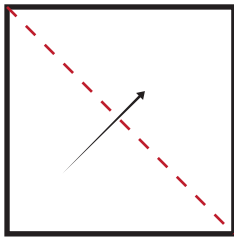


pay attention to
highlighted part

=

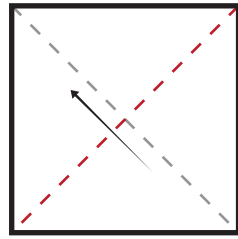


1



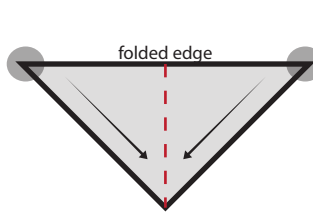
Fold corner to corner and open again

2



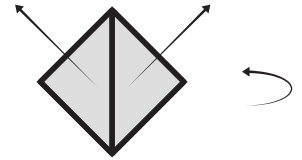
Fold corner to corner on the opposite side

3



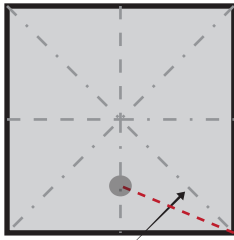
Fold the top corners to the bottom corner

4



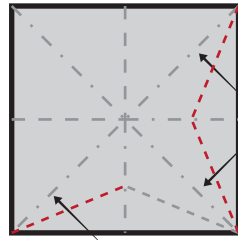
Open up the paper fully as in step 1 & flip the paper over

5



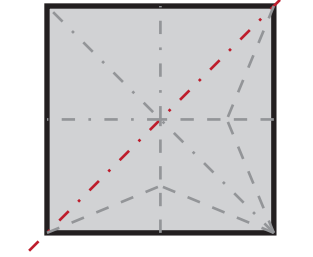
Fold the bottom edge to the middle crease line. The crease reaches the intersection. Unfold again

6



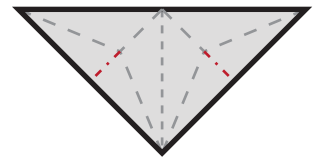
Repeat step 5 on the corresponding crease lines

7



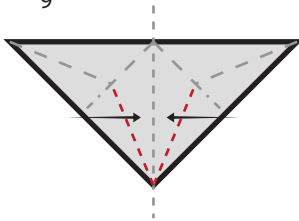
Fold the paper in half down the crease line. Have the crease lines made in step 6 facing up

8



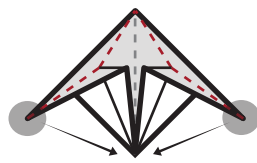
Refold the crease lines into mountain folds

9



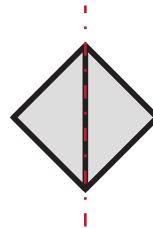
Fold the crease lines into the middle crease line

10



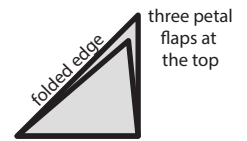
Fold the crease lines on the top flaps and bring the flap corners into the bottom corner

11



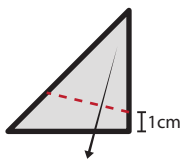
Fold the model in half, doing a mountain fold so the top flaps are on the outer layer

12



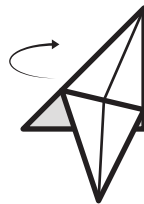
Rotate the model so it corresponds to the diagram

13



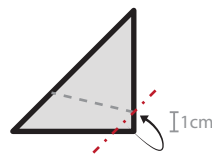
Fold the top petal flap down at the intersection & 1cm above the bottom edge

14



Flip over and repeat step 13 to the petal flap other side & unfold both flaps

15



Fold the top layer bottom corner up to the petal flap crease line. Tuck the corner into the middle petal flap

16



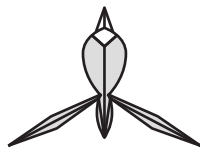
Fold the corner on the bottom layer over the top layer. Glue in place to secure. Fold the two petal flaps down again

17



Pull the tip of the middle petal flap away so it is curled slightly forward

18



Rotate the model so it corresponds to the diagram

19



Flatten the crease line inside the two petal flaps & curl the tips gently with your thumb

20



Flatten the tip of the flower by putting your finger in the bottom and squashing gently with your thumb to complete



Red Helleborine with stem

1



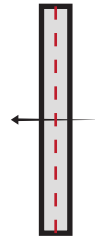
Make 2x red helleborine (quarter square of the original sheet size)

2



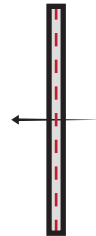
With a rectangular sheet (quarter lengthways of the original sheet size), fold it in half

3



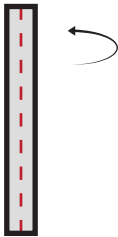
Fold the paper in half again

4



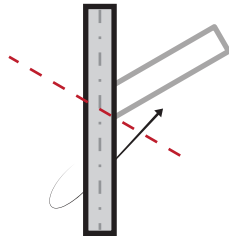
Fold the paper in half once more & unfold

5



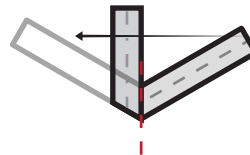
Flip the model over so the mountain fold is facing up

6



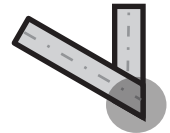
Bring the bottom of the paper up to make a V shape, make one of the branches shorter

7



Wrap the longer branch over the edge of the short branch so both mountain folds are facing up

8



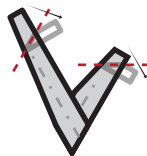
Secure the folds in place with glue

9



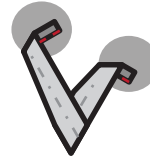
Pinch the top of both branches down the crease line

10



Fold the tips of both branches over less than 1cm

11



Make the crease lines in step 10 into mountain folds and the top part of the middle crease line into a valley fold

12



Insert & hook the tips into the base of the helleborine & apply glue onto the tips to secure in place