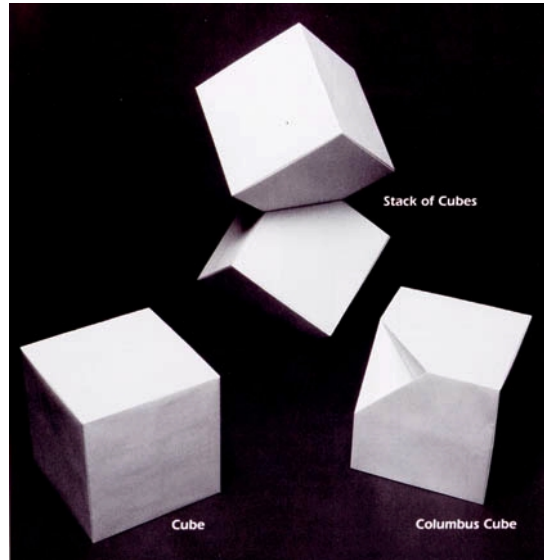




## CUB SCOUT BOOMERANG TEST 14 – HANDCRAFT

*Make an origami Columbus Cube. A Columbus Cube is a cube with one indented corner, providing a means by which several such Cubes can be combined to make larger structures.*

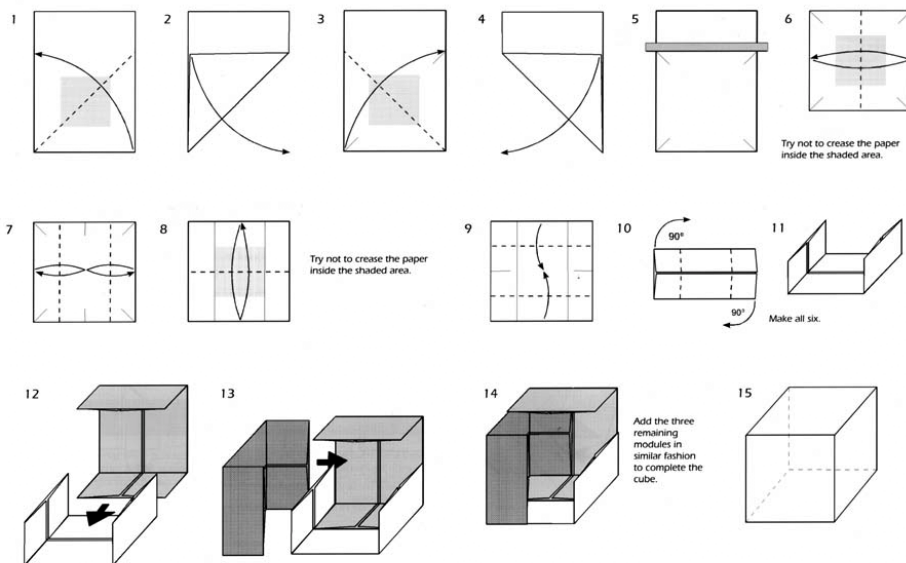


### Resources

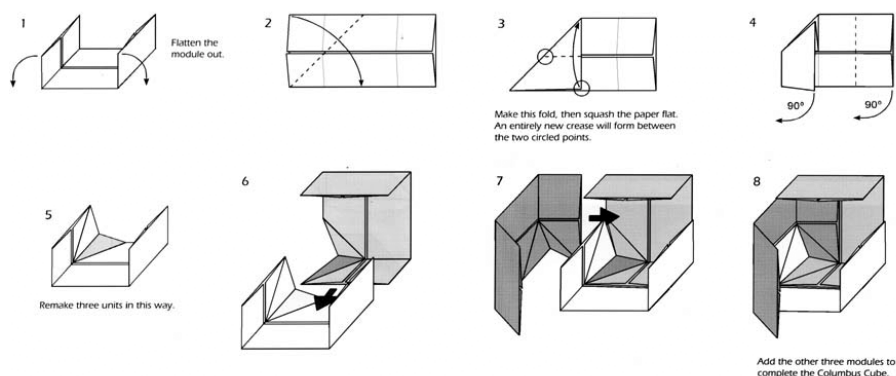
- 6 squares of paper (per cube)

### Instructions

1. It is best to have Cubs make a standard cube first. Fold 6 paper squares as illustrated below. If you are starting with squares of paper, skip Steps 1 – 5:



2. Modify the standard Cube to make a Columbus Cube as illustrated below:



3. Make a second Columbus Cube and stack the cubes, one on top of the other.

## Resource Preparation

### Paper

80 gsm (or heavier) Bond                      A4                      ~\$6.00/ream                      Stationer

Squares cut from A5 (half A4) sheets are about right for 80 gsm paper. Heavier paper provides more rigidity and is thus better for making larger cubes, but heavier paper is more difficult to fold.

Paper can also be pre-printed with the required fold lines to make the task easier for younger children.

## Reference

This activity, and the illustrations used above, are taken (without permission) from the book:

Mathematical Origami: Geometrical shapes by paper folding  
David Mitchell, Tarquin Publications, 1999 [ISBN 1 899618 18 X]