

Instructions for your

Jacob's Ladder

TOP
SECRET

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1. CASCADE

Hold an end block by its edges, making sure the side that has the three ribbon ends on it, is facing your palm. You now have to rotate the end of this block (the one that has the other five hanging from it) upward until it is nearly vertical. The other blocks will now *cascade down*. If you repeat this procedure the blocks will keep *cascading* down.

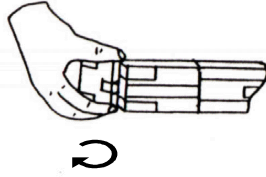


fig.1

2. TWO UP

Lay the Jacob's Ladder out so that the end blocks with the three ribbon ends on, are facing upwards. Pick up the Jacob's Ladder as shown in fig. 2. Pull your hands gently outwards to keep tension on the Jacob's Ladder. Now slowly rotate your hands outwards and around until the end blocks have turned 180° and are now horizontal again. Two of the blocks will now stand up. Momentary ease the tension on the ladder and pull outwards again. Re apply the tension again and you are ready to go to trick 3.

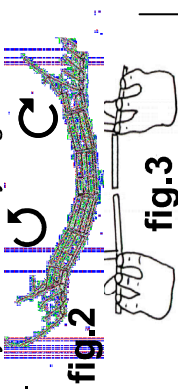


fig.2

fig.3

3. TWO DOWN

Hold the Jacob's Ladder as in fig.4, which should be the position where you finished trick 2. Keep tensioning the ladder and slowly rotate your hands inwards and around until the end blocks have turned 180° and are now horizontal again. Two blocks will now hang down. Rotate the end blocks a further 10° and bring your hands together slightly and then quickly pull your hands apart. The blocks will click and you will be back at the position you started trick 2. Repeat tricks 2 and 3 together.



fig.4

fig.5

4. MAGNETIC BLOCK

Fold the Jacob's Ladder so the sides with the three ribbon ends on are facing the outside. Hold it as in fig. 6 so that the bottom block can swing. Gently moving the ladder backwards and forwards will get the bottom block to swing. To get it to swing from the other end, slightly tip that end down and give the ladder a little jerk. The block will now move over and swing from that end. When your friends want to have a try, let the ladder unfold then refold it up with the strips of ribbon showing on the end blocks instead of the ribbon ends. When they try they will **not** be able to do it.



fig.6

6. NOISE MAKING

Stack the blocks into a pile so that the sides with the ribbon ends on are facing outwards. Hold an end block in each hand as in fig. 8 and slightly open the blocks at the top. Keep the blocks tightly together at the bottom and move one hand (or both) up and down and the blocks will **clack**. By varying your movements you can create your own rhythm.

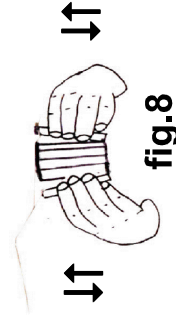


fig.8

7. THE BUTTERFLY

Stack the blocks into a pile so that the sides with the ribbon ends on are facing the outside. With the blocks vertical, take three blocks in each hand and open the pile outwards and down. Now hold only the bottom two blocks in each hand and as you gently move your hands apart the top blocks will rise like the wings of a butterfly. Now bring your hands together and the blocks will go flat. The quicker you do it the louder noise they will make.

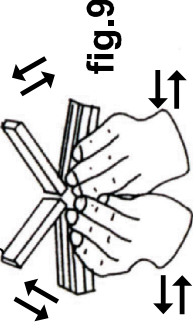


fig.9

8. RUNNING UP

This is the only difficult trick and requires lots of practice. Hold the blocks as in fig 4, but at 45° instead of horizontal. Turn the lower end block inwards and STRIKE the next block sharply as shown in fig. 10. The blocks may only run up one or two until you master the trick.

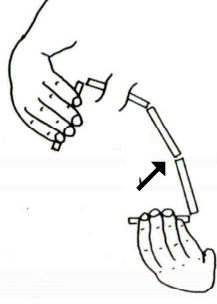


fig.10

9. ALPHABET

Place the Jacob's Ladder on its edge on a table or the floor. Fold the blocks to make CAPITAL letters. Some sides may have the blocks doubled up. All letters can be done. Have a competition with your friends.

5. CROCODILE

Fold the blocks in half as in fig. 7, making sure that the end blocks have the ribbon ends showing on the outside. Lay the blocks along your arm. One hand holds the bottom front block (the bottom of the mouth) while the other hand holds the top end block with the three ribbon ends. (This is the tail.) Pull this end block and the mouth will open.

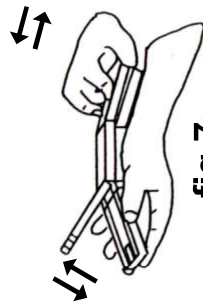


fig.7

