

Jacob's Ladder

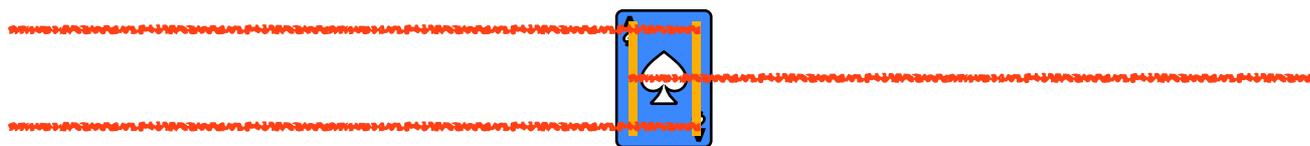
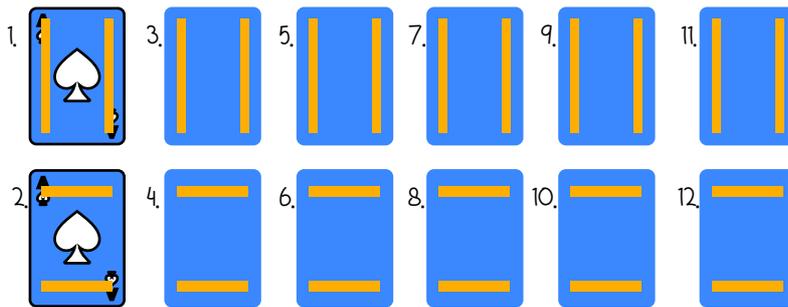
A toy from the mid 1800s that uses an optical illusion to entertain and amuse.

You need:

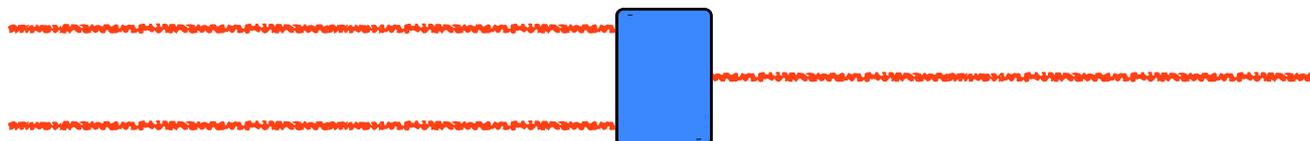
- 12 playing cards
- Ribbon – 3 x 60cm
- Double sided tape
- Scissors

Method:

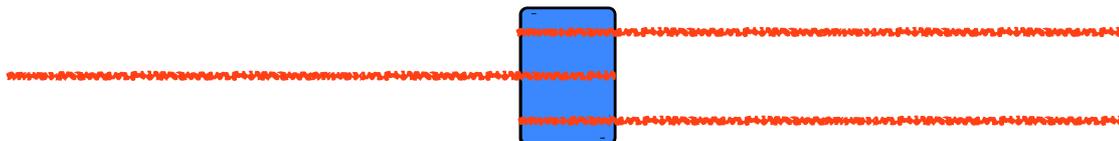
- I. Prepare the cards, copying the image above.
The yellow strips represent where the double sided tape should go. Take note of the face up cards with the rest being face down, as well as the 'number' of each card, (this is the order they will be used in).
- II. Take the first card and the ribbon. Stick the three lengths of ribbon across the card as shown in the image below.



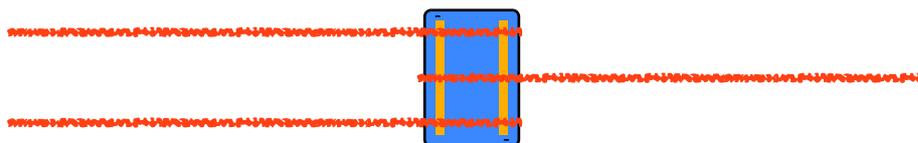
- III. Take the second card and stick it face down, on top of the first and over the ribbons.



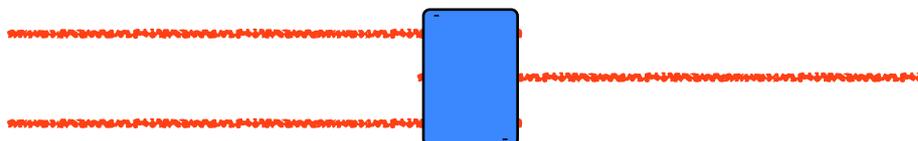
- IV. Now take the ribbons and pull them over the second card, keeping them on the same 'line'.



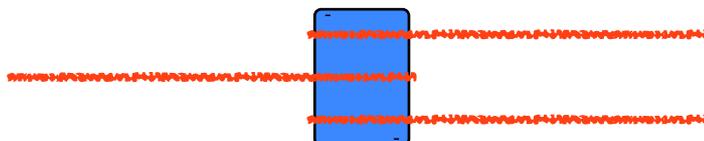
- V. Take the third card and place it face down (sticky side up) over the ribbons, then pull the ribbons over the third card sticking them down on the tape. IMPORTANT that you don't pull the ribbon tight, you want the ribbon a little bit loose between the second and third cards (where it's not sticky).



- VI. Now take the fourth card and stick it face up (sticky side down) over the ribbons, making sure they are flat and straight.



- VII. Then pull the ribbon over the card remembering to keep them in 'line'.



- VIII. By now there is a pattern forming. The fifth card is the same in step V. (5). Just keep repeating the pattern until you have used all the cards. Trim any excess ribbon and have fun turning your Jacob's Ladder over and over, showing that difficult situations can be overcome.