

Infinity Box

check list:

1. 2 same-sized rectangular mirrors (1 regular, 1 two-way)
2. ruler
3. pencil
4. cardboard
5. scissors
6. clear tape
7. black tape
8. pushpin
9. 8 small LED lights (different colours)
10. 8 small round watch batteries

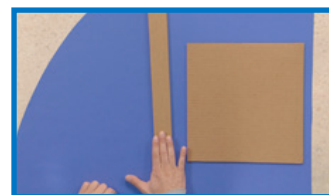
To make the infinity box, you need two rectangular mirrors the same size: a regular mirror and a two-way mirror. You can see your reflection in a regular mirror. With a two-way mirror, you can see your reflection on one side, but when you look at the other side, you can see right through the mirror! You can find these mirrors at a glass store.

1



Measure the length and width of one mirror; then cut a piece of cardboard the same size as the mirror. This is the bottom of the infinity box.

2



The next step is to make the walls of the box. Measure and add up all four sides of the cardboard bottom. Use the total measurement to cut a very long strip of cardboard. The width of the strip should be three fingers across.

3



Fold the cardboard strip around all four sides of the box's bottom, then tape the two ends of the strip together with clear tape.

4



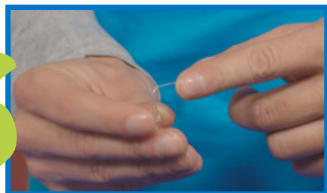
Tape the walls to the bottom of the box using black tape, then cover the whole box (inside and out) with black tape.

5



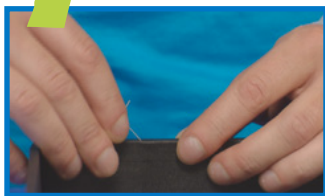
You might need a parent's help for this step. To add stars to the box, first take a pushpin and push a hole in the top edge of the box, near a corner.

6



Now take a small LED light. The LED has two prongs; one prong is a little longer than the other. Bend the long prong into an L shape.

7



Insert the L shape into the hole you poked in the box's edge.

8



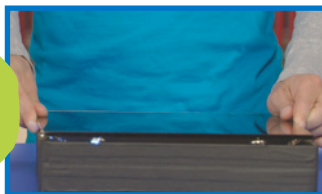
Insert a small watch battery between the two prongs. To make the LED light light up, press the top prong down on the battery.



9

Attach a total of eight LED lights to the box: two near each of the four corners. When you've attached all eight lights, place the regular mirror inside the box, reflection side up.

10



Place the two-way mirror on top of the box, reflection-side down. Look how the LED lights light up!

11



Now look at the mirror for a really neat effect. The lights appear to go on forever—or infinity!

Now that's Artzooka!

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