Make a Spin Art Machine
Materials for Spin Art Machine

1. Small cardboard box
2. Double-sided foam tape
3. Computer fan
4. 9 volt battery cap
5. 9 volt battery
6. Small binder clip
7. Brad
8. 4-5 inch cardboard square or circle
9. Plastic stick-on bumpers (not shown)
Step 1

Remove Molex connector from wires on computer fan.
Step 2

Your fan may have 2-4 wires, we are only interested in two of them: red and black. You can safely tie off or remove the remaining wire.
Step 3

Place double-sided foam tape on each corner of the fan. Wire side up.
Step 4

All four corners taped.
Step 5

Turn over the fan and stick it firmly on the box. Great so far!!
Step 6

Use a small Philips head screwdriver to make a hole in the box close to the position of the fan. We will use this hole to pull the wires into the box.
Step 7

Don’t forget to strip about an inch off each wire and twist the ends.
Step 8

Pull the wires into the box!
Step 9

Take the 9 volt battery cap and strip about an inch of insulation off each end.
Step 10

Make two holes with the small screwdriver near the bottom of the box. This is for the wires to attach to our DIY switch.
Step 11

Pull the red wire from the fan through one of the bottom holes.
Step 12

Now push the red wire from the 9 volt battery cap through the other hole. This will serve as the wiring for our DIY switch.
Step 13

Now take the black wire from the fan and the black wire from the 9 volt battery cap and twist them together.
Step 14

Use electrical tape to cover the exposed black wires. This will hold the wires together and prevent any short circuits.
Now let’s build the switch. Cut out a small rectangle of cardboard. Then attach a binder clip to one end. See picture at left.
Step 16

Poke a starter hole under the end of the binder clip.
Step 17

Take a brad and push it through the starter hole.
Step 18

Wrap one of the red wires around the legs of the brad near the cardboard.
Spread the legs of the brad against the cardboard. Then ...
Step 20

...place a piece of electrical tape over the exposed wires and brad. This keeps the brad firmly in place and prevents any accidental shorts.
Step 21

Now take the remaining red wire and wrap it around the bottom silver leg of the binder clip.
Step 22

Secure the wire in place with a small piece of electrical tape.
Step 23 A

Your switch is ready to be attached to the box.
Step 23 B

In case you’re wondering, this is how you turn on the fan. Close the binder clip on top of the brad!
Affix several pieces of double stick foam tape to the bottom of the switch.
Step 25

Attach the switch to the side of the box.
Step 26

Looks great!
Step 27

Attach the 9 volt battery to the battery cap and close the box.
Step 28

Add a few layers of foam tape to the center of your fan. Just enough for the cardboard disk in the next step to clear the fan assembly.
Step 29

Add the cardboard disk and press firmly.
Step 26

Attach a square of paper with some double stick tape.
Step 27

Turn on the fan!
Step 28

Grab a sharpie and make some Spin Art!