How to build a pulsar modell in 2 minutes

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Bill of Materials

That’s what you need:

- adhesive tape - ~ 10cm
- LEDs - 2x standard 5mm through hole LEDs with leads (green, red, orange or yellow will work – blue not)
- battery - 1x 3.0 V Lithium, CR2025 or CR2032
- plasticine - ~ 7-8g best Crayola Model Magic® but also Play-Doh® or substitute will do (though the pulsar will dissolve after a few hours)
- twine - ~ 50cm any type is ok
Building Instructions 1

- take the battery, put the two LEDs over it so that they burn:
  - one lead above, one below the battery
    (the longer lead is the positive one, but just turn them around if they don’t burn).
  - the LED heads should stick out ~ 1cm at both sides
- wrap adhesive tape around to hold battery and LEDs together
Building Instructions 2

- wrap around twine (2-3 times) ~ perpendicular to the line of the leds
  - fix with adhesive tape

- put around the plasticine - best from two small balls. So only the LED heads stick out (and the twine
Building Instructions 3

- form a round ball from the plasticine
  ⇒ *you got your pulsar!*

- let it rotate on the twine, even if the pulsar is not well aligned it looks nice

- a surplus: fill a balloon with helium and hang the pulsar on it

- **Sicherheitshinweise:**
  - Bitte nicht direkt in die LEDs schauen!
  - Die verwendeten Lithiumbatterien bitte fachgerecht entsorgen!
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