

Real-life detective

Find the magnetic switch (reed switch) hidden in gadgets around you

YOUR MISSION

A reed switch is a tiny magnetic sensor that closes when a magnet comes near. It is hidden inside dozens of things at home. Find at least five this week.

CHECKLIST - TICK EACH ONE YOU FIND

- ☐ Fridge door - does yours beep when left open? A reed switch senses the magnet on the door.
- ☐ Laptop lid - the screen sleeps when you close it. Reed switch in the corner.
- ☐ Window intrusion alarm - the little white boxes in smart homes.
- ☐ Bank vault or jewellery shop display cabinet.
- ☐ Toilet flush valve - some use a magnetic float sensor.
- ☐ Airport walk-through metal detector - same physics, much bigger.
- ☐ A toy piggy bank with an alarm.

BONUS - SOMETHING YOU DISCOVERED

SIGNED BY DETECTIVE

Name: _____ Date: _____