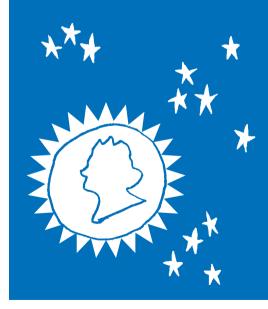




BRIGHT AS A NEW PENNY





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Designed by Roy, Design engineer at Dyson

The brief

Clean a penny using cola.

The method

- 1. Place the penny in the container.
- 2. Add enough cola so the penny is covered.
- 3. Leave overnight.
- 4. In the morning, you should find that your penny is clean.

Materials

Shallow container
Cola
A penny – the older
and dirtier the better



How does it work?

Pennies have a copper coating. As the copper gets older, it reacts with the oxygen in the air and begins to form a copper-oxygen compound. This compound is what makes the penny look dull.

Meanwhile, cola contains phosphoric acid. This acid breaks down the copper-oxygen compound chemical bonds allowing a fresh, unoxidized layer of copper to be exposed.

