

# paper plate sundial



## You will need:

1. Paper plate
2. Craft stick/pencil
3. Markers/paint
4. Pen

## The science behind:

A sundial is a clock that uses the position of the Sun to indicate the time of day.

Sundials are the oldest known devices used to measure time.

Sundials work because as the Earth rotates around the Sun, the Sun's place in the sky changes.

1. Flip your plate upside down and decorate the bottom of it with markers or paint.
2. Stick a craft stick or pencil into the middle of the plate so that it is standing up straight.
3. Place your sundial in the sun. Does the stick have a shadow? Mark the shadow with a pen and write the time. Try again in a few hours. Has the shadow moved?