

Amaze Your Brain *at Home!*

EXPERIMENTS

BEST FOR
18 months-
4 years

MAKE YOUR OWN SUNDIAL

MATERIALS

- Paper Plate
- Pencil
- Straw
- Crayons
- Push Pins



INSTRUCTIONS

1. In crayon, put the number 12 on the top of the plate, continue around the plate with 1-11 just like a clock face.
2. Punch a hole in the middle of the plate with a sharp object.
3. Place a straw or pencil in the hole.
4. At around noon, place the sundial in a sunny spot (securing with push pins if you would like). The straw or pencil should cast a shadow on the number 12.
5. Check periodically throughout the day to see how the sun helps us tell time.

WHAT'S HAPPENING?

Throughout the ages, people, animals and even plants have been using the sun to tell time. The Earth revolves around the sun at a constant speed. On the Earth, it looks like the sun rises in the east and then sets in the west, moving across the sky in a predictable way. With a sundial, you can use the sun to reliably tell time throughout the day.



Tag us @perotmuseum on social media to show us how you *Amaze your Brain!*

PerotMuseum.org

Per[]t
Museum of Nature and Science