



PAPER PLATE SUNDIAL

WHAT YOU'LL NEED:

- paper plate
- crayons
- pencil (sharpened)
- push pins
- plastic straw
- ruler



INSTRUCTIONS:

1. Start this project just before noon on a sunny day.
2. Take your pencil and poke a hole through the center of the plate.
3. Write the number 12 at the top of the plate with a crayon.
4. Draw a straight line from the number 12 to the center of the plate.
5. Once it's noon, take the plate and straw outside, and place the plate on the ground and poke the straw through the center.
6. Now turn the plate so the shadow of the straw runs along the line to the number 12.
7. Fasten the plate on the ground with some push pins, and check back with the sundial an hour later.

Where do you think the shadow will be positioned?

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