

# Time for Sunshine

FIRST GRADE

Since telling time is a skill most first graders are perfecting, heading outside to make a sundial is a perfect way to integrate the garden into grade-level standards. Of course, you must have a sunny day for this activity to work.

## SUBJECT

ART/TIME TELLING

## TIME

30 MIN

## MATERIALS

Paper plates, 1 per student

Crayons, assortment to share

Markers (assortment to share )

Straws, 1 per student

Pencils, several to share

Glue, several to share

Clock template, 1 per student

Scissors, 1 per student

Example of a finished sundial

Compass to locate north

## DIRECTIONS

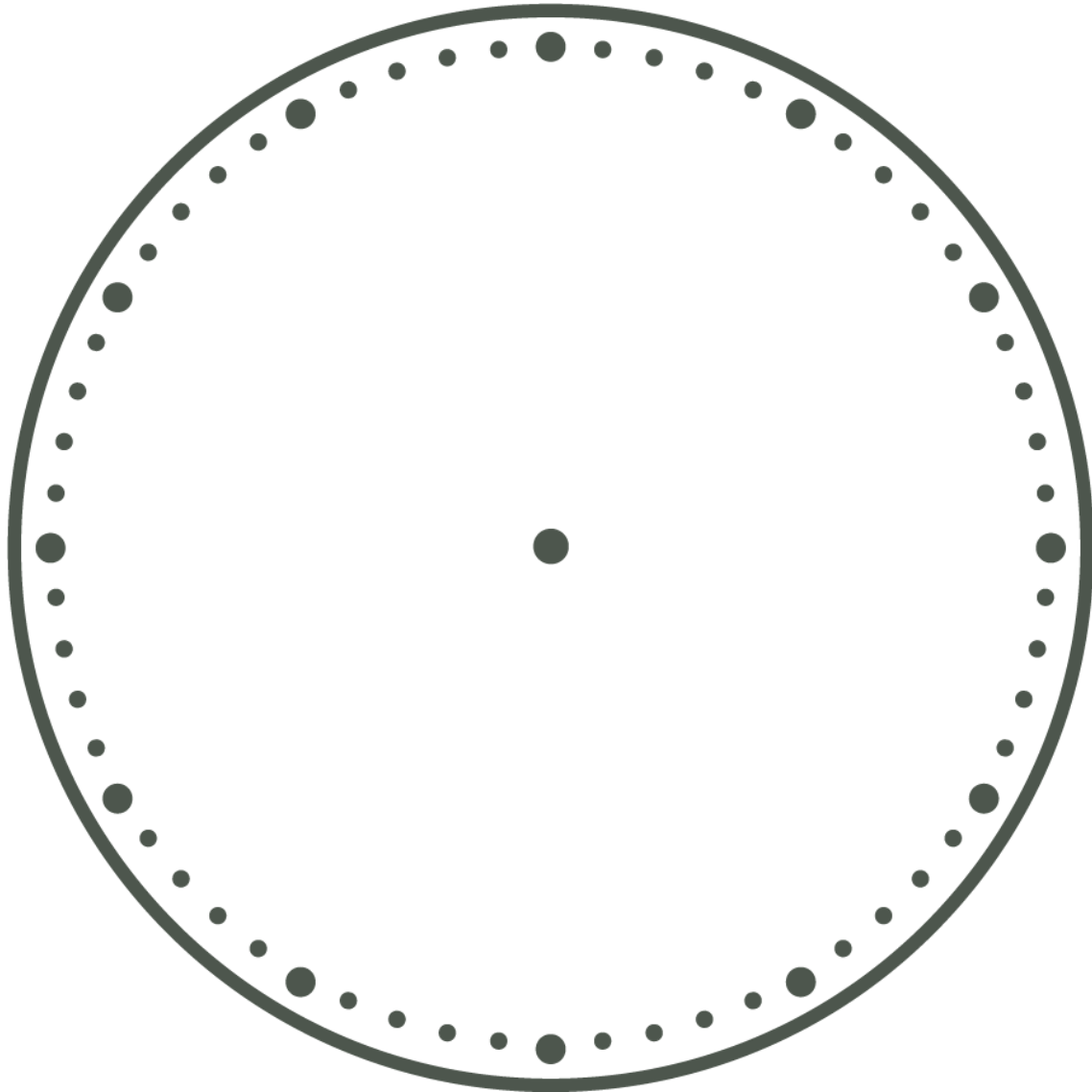
- Gather students in the garden. Pass out a paper plate, a straw, and the clock template to each student. Tell students they will be making their own sundials in the garden. Sundials are how people told time long ago, before the invention of clocks. A sundial uses the position of the sun to tell time.
- Ask students to color the back of the paper plate on the outer rim (the rest will be covered).
- Next, have students cut out the round clock face and glue it to the center of the back of the plate (show example). Make sure students DO NOT color the clock face.
- Have students label the "hour" numbers on the clock face (1-12) in the appropriate positions.
- Poke a hole in the center mark on the clock face template. Then, insert a straw through the hole so that the straw stands vertically.
- Using a compass, locate which direction is north and have students place their clocks with the 12 o'clock of their sundials pointing north. Ask students where the shadow falls on their clock face? What time is it? How accurate is the time?

## SOURCE

- BCK Programs



# Clock Template



# Sundial Example

