

SIMPLE SUNDIAL



WEEK TEN:
ASTRONOMY



Materials needed:

- A stick, ruler, or something else straight and thin that will be able to stand up.
- Rocks, coins, or something else small to mark time positions.
- Something else that can tell time.
- Chalk or markers.

It is best to start in the morning and record a few hours of a day to establish your markers.

- 1) Find a flat area that gets sun throughout the day.
- 2) Place your stick perpendicular to the ground. Hold it in place with tape, play dough, or by sticking it in the ground. This object is called a gnomon.



- 3) Start at a specific time, on the hour. Mark the shadow of the gnomon on the ground (with a rock or by drawing a line). Label it as that time.
- 4) Try to check back on every hour for the rest of the day, marking each hour with another rock or line. If you miss some markers one day, you can do it the next day.