

There are many types of Sundials, these include

- horizontal dials.
- vertical dials.
- equatorial dials.
- polar dials.
- analemmatic dials.
- reflected ceiling dials.
- portable dials

The one I have made here is the Equatorial Sundial. The face of the sundial represents the plane of Earth's equator, and the gnomon represents Earth's spin axis. In this example I've used a 3/8 pipe as my gnomon. The gnomon must point the north and as the Sun moves across the sky, it will display a shadow each hour in 15-degree increments. The face of the dial must be at a 45 degree incline also for exact alignment to work. I pick this type because I understood the logic and I could make it portable. This is a simple demonstration of how this science works. My dial shows from 7am to 6pm.





2:21PM
APR 30
FRUITVALE



2:21PM
APR 30
FRUITVALE