Sundial

Problem- How does the position of the sun in the sky change the shadow cast by your sundial?

Hypothesis- length of shadow, position of shadow, is there a shadow, is the change predictable, is there going to be a change at all?

Materials:

* Paper plate
* Scissors
* 2 pencils
* Sunny day

Procedure

Step 1- Use your scissors to poke a hole in the center of your plate. Take your pencil and poke it through the hole so it is sticking all the way out one end.

Step 2 Leave your sundial in a sunny area in the same place for several hours

Step 3- Every hour starting at 10:15-3:00 record your shadow on your sun dial by tracing your shadow and labeling the time

Observation and Results

Conclusion