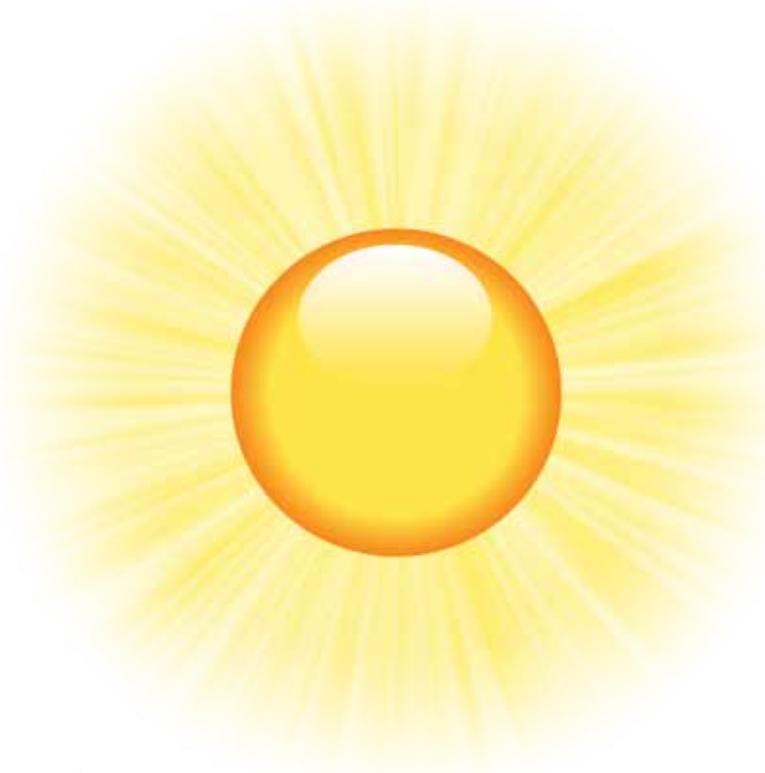




Name: _____

Class: _____



SUNNY SUNDIAL

In this experiment you will make your own sundial. A sundial is an instrument that shows the time by the Sun's shadow. Sundials were used to tell the time before people had watches or clocks.

You will need:

- A stick
- Small rocks or chalk
- 1 cup of playdough or modelling clay

What to do:

1. Find a sunny spot in the playground, on the pavement or on the grass.
2. Carefully put the stick vertically on the ground. If you are on concrete, put the stick in some playdough or modelling clay and use that to hold the stick upright on the concrete.
3. Place a small rock, or draw a mark with chalk around the stick on the ground for each hour to show where the shadow falls at different times.
4. Look for the shadow at different moments in the day and see if you can work out the approximate time or hour.

The Sun is the Earth's main supply of heat and light. As Earth rotates, the Sun seems to move in the sky. In the middle of the day, the Sun is at its highest point. At this time it casts the shortest shadows. Shadows are longer before and after the middle of the day.