



Presented by



HOW TO MAKE A SUNDIAL

Overview and objective:

Students will discover how to create and use a DIY sundial.

How does it work?

The surface of a sundial has markings for each hour of daylight. As the Sun moves across the sky, another part of the sundial casts a shadow on these markings. The position of the shadow shows what time it is.

WHAT YOU WILL NEED:

- Play dough
- Chalk (or rocks)
- A stick
- A Watch or clock
- Safety goggles
- Safety gloves
- Adult supervision

Procedure:

1. Bury the stick in the play dough to hold it upright and place it in a spot that gets full day sunlight. You can use it on a driveway.
2. Make an extra precaution of marking the can on the driveway in case it gets knocked over.
3. Throughout the day, mark the hour with chalk or a stone. The mark should be made at the exact spot where the shadow falls. If you miss an hour, you can just fill it in the following day at that time.
4. Now your sundial is ready to use! When you want to tell time, just look for the shadow. Since it's just temporary, have some fun with it and chalk in a journal of your day.



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