



Make your own sundial

Ever wonder how people told time before the invention of clocks? Many cultures used sundials. Today you can make your own!



You will need:

An area of pavement

A piece of chalk

A helper

A clock or watch

Directions:

- Go outside and make an x on the ground where you want to be the center of your sundial. Start this activity in the morning if you can.



- Stand on the X and put your arms over your head like you are about to dive into a pool. You are acting like the arm of the sundial or the hand on a clock.
- Have a helper trace your shadow with the chalk.
- Write the time at the end of your shadow.
- Set a timer for 1 hour. After the hour is up, go stand on the X and have your helper trace your shadow again and mark the time.



What do you think will happen to your shadow?

- Go out and trace your shadow every hour on the hour for the rest of the day and you will have a sundial!
- Send your teacher a picture of your completed sundial.