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 helper
A piece of chalk
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.