

WATER CLOCK

Camp Fire At Home Activity



TIME: 15-20 minutes

MATERIALS:

Paper Cup

Plastic 2-Liter Bottle

Watch or Clock with Second Hand

Pen or Marker

Ruler

Masking Tape

KID FRIENDLY PURPOSE: We are going to make a clock with a bottle and water!

Step By Step Guide

1. An adult should help cut the top off the plastic bottle a few inches from the top.
2. Stick a length of masking tape on the outside of the bottle, from the top to the bottom.
3. With your pencil or pen, push a small hole through your paper cup. Fit the cup tightly in the hole you cut in the plastic bottle.
4. Have the timer ready and pour water into the paper cup, as soon as it is poured, have the timer begin. It is important to keep the cup halfway full, so the water runs out steadily.
5. One youth should watch the timer while another marks the tape. When 30 seconds have gone by, mark the water level on the tape with your marker or pen. Do this every 30 seconds for five minutes. Are the marks on the tape evenly spaced? Use your ruler!
6. Put another piece of tape on the bottle right next to the first one. This time, mark the water level at a different interval, such as one-minute intervals. Do this for five minutes. How did these marks compare to the marks on the other piece of tape? Do you think this is a good way to keep time? Why?