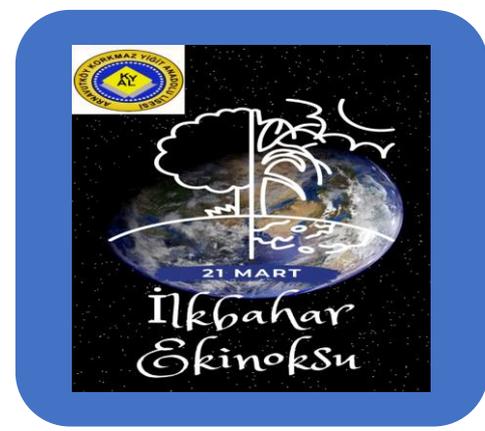


[Buraya yazın]



ERATOSTHENES EXPERIMENT

Korkmaz Yiğit Anatolian High School / Türkiye made an Eratosthenes Experiment about Spring Equinox experiment.



In this photo, together with our Geography teacher Selma Çınar, we measure the angle of incidence of the Sun and then look at the length of our rope to program the hypotenuse of our triangle.



The table you see on the right is some information about the data we collected while conducting the experiment.

Saat	Gölge Boyu	Taban Açısı	Tepe Açısı
12.30	86	40	46
12.40	81	33	55
12.50	77	27	65
13.00	73	23	67
13.05	71	20	70
13.10	69	18	72
13.11	70	17	79
13.12	70	17	79
13.13	71	18	78

What is equinox?

A solar equinox is a moment in time when the Sun crosses the Earth's equator, which is to say, appears directly above the equator, rather than north or south of the equator. On the day of the equinox, the Sun appears to rise "due east" and set "due west". This occurs twice each year, around 20 March and 23 September.

The word is derived from the Latin aequinoctium, from aequus (equal) and nox (night).

when we were calculating shadow length 🤔

