

Astrolabe Workshop

Level 1

1. Choose a date (in a solar calendar)
2. Sign of the zodiac
3. Degree in the sign

You can now mark the position of the sun on the ecliptic on the spider! Be sure to mark it on the outer rim of the ecliptic, and use non-permanent ink!

4. At sunrise on the date , the position of the pointer is
5. At sunset on the date, the position of the pointer is
6. Difference: sunset minus sunrise is
(if sunrise is greater than sunset, add 360 to sunset)
7. Length of day on the date (15 degrees = 1 hour)

Level 2

Suppose that in the afternoon of the date (NOW), you see the sun 10 degrees above the horizon.

8. Find the position of the pointer NOW
9. Find the position of the pointer AT NOON (12:00 true local solar time)
10. Difference True local solar time NOW
11. Direction of the sun NOW