

## Motion of Celestial Objects in Sky

### Sun

- The sun rises low in the EAST, rises high above at noon and then sets low in the WEST

### Stars

- Move from east to west in a circular motion across sky.

### Why?

- As we spin (24 hours to go once around), we see different sections of the sky
- But EARTH is moving, not the stars or the sun.

### Star Patterns

- Asterisms – a recognizable pattern of stars.
- Constellation – an official pattern of stars.

ie: Big Dipper, Little Dipper, Orion's Belt

### One Star Doesn't Move

- Northern Star (Polaris) doesn't move!
- Because it sits directly above the axis!!!
- The North Star helped sailors navigate.

