

ROTATION & REVOLUTION OF EARTH

FUN FACT FOR KIDS



The Earth rotates on its axis at an average speed of about 1,000 miles per hour (1,600 kilometers per hour) at the equator.



Earth orbits the Sun at 67,000 mph, taking about 365.25 days, hence leap years every four years.



The gravitational pull of the Moon and the Sun on the Earth causes tides in the oceans.



The Earth is tilted on its axis by about 23.5 degrees relative to its orbital plane around the Sun.



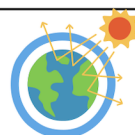
Near the poles, there are periods of continuous daylight (polar day) and continuous darkness (polar night) due to the tilt of the Earth's axis.



The Earth's axis wobbles like a spinning top over a period of about 26,000 years in a motion called precession.



Sailors and navigators have long used the Earth's rotation with celestial objects like stars and the Sun to find their position.



Earth spins → Coriolis effect → deflects stuff: right (North), left (South) → shapes winds, ocean currents.