ODM EDUCATIONAL GROUP
Changing your Tomorrow

MOTIONS OF THE EARTH

SUBJECT : (GEOGRAPHY)
CHAPTER NUMBER: 3 PERIOD-4
CHAPTER NAME : MOTIONS OF THE EARTH

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MOTIONS OF THE EARTH

LEARNING OBJECTIVES

- Rotation
- Effects of the earth's Rotation
- Revolution
- Earth's Orbit
- Seasons
- Solstice- Summer and Winter Solstice
- Equinoxes- Spring and Autumn Equinox

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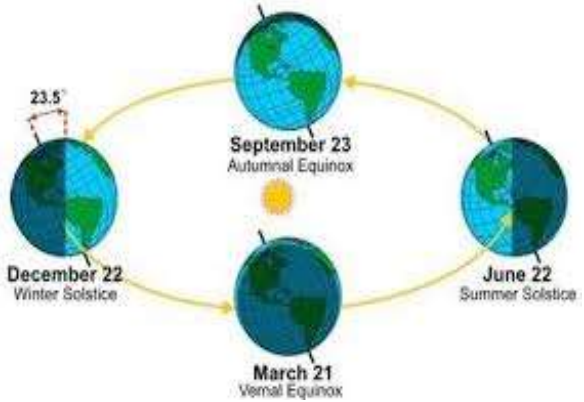
EQUINOX

- Equinox is the position of the Earth when the axis of the Earth is so positioned that both the poles are at equal distance from the sun.
- **The Spring Equinox:-** The spring equinox occurs on 21st March every year. During the spring equinox:-
- The length of day and night are equal.
- The sunlight falls directly on the Equator.
- It is the spring in the Northern Hemisphere and autumn in Southern Hemisphere.



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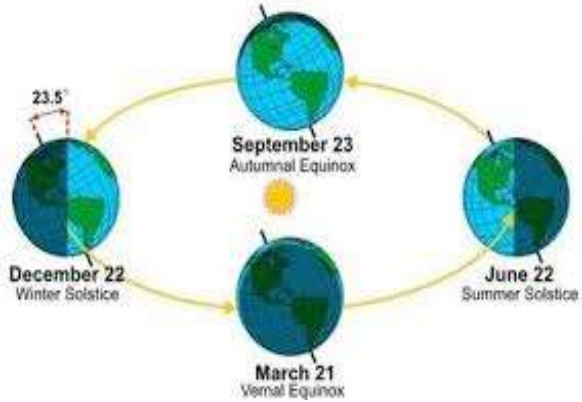
EQUINOX

- **The Autumn Equinox:-** It is also known as the fall equinox. It occurs on 23rd September every year. During the autumn equinox:-
- The length of day and night are equal.
- The sunlight falls directly on the Earth.
- It is autumn in the Northern Hemisphere and spring in the Southern Hemisphere.



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LEAP YEARS

- The Earth takes 365 ¼ days to complete one revolution around the Sun.
- The 6 hours(1/4 day) left are added as one more day(6x4=24 hours) to February every fourth year.
- Such a year has 366 days, and it is called a leap year.
- Thus every leap year has an extra day, and all leap years are divisible by four.

THANKING YOU

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