Divina Infantita
(Almería)

Apuntes Unit 1. Social Science THE UNIVERSE.

UDI 2

Profe Juan Carlos 2018-2019

AROUND THE SOLAR SYSTEM
Pag.8-9 libro

CELESTIAL BODIES
The objects wich I can see in the sky

Luminous bodies

- Stars → Sun

Non-Luminous bodies

- Planets → Earth

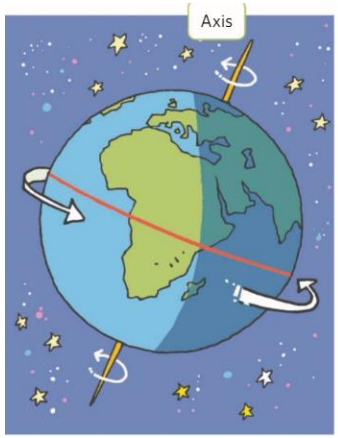
PLANETARY SYSTEM
The Sun and its 8 planets are called **Solar System**

1. Mercury
2. Venus
3. Earth
4. Mars
5. Jupiter
6. Saturns
7. Uranus
8. Neptune

EARTH SPINS
Pág.10-11 libro

Earth´s rotation

•Earth spins on its axis, this movement is called **rotation**



Day and night

•Earth takes 24 hours to completely spin around its axis

•**Day**: the Sun´s rays reach the planet

•**Night**: the Sun´s rays don´t reach the planet

EARTH ORBITS
Pág.11 libro

Earth´s revolution

•It is the earth´s movement around the Sun.

•It takes 365 days to orbit all the way around the sun

•In other words, it takes one year to be completed.

The Seasons
Pág. 11-12

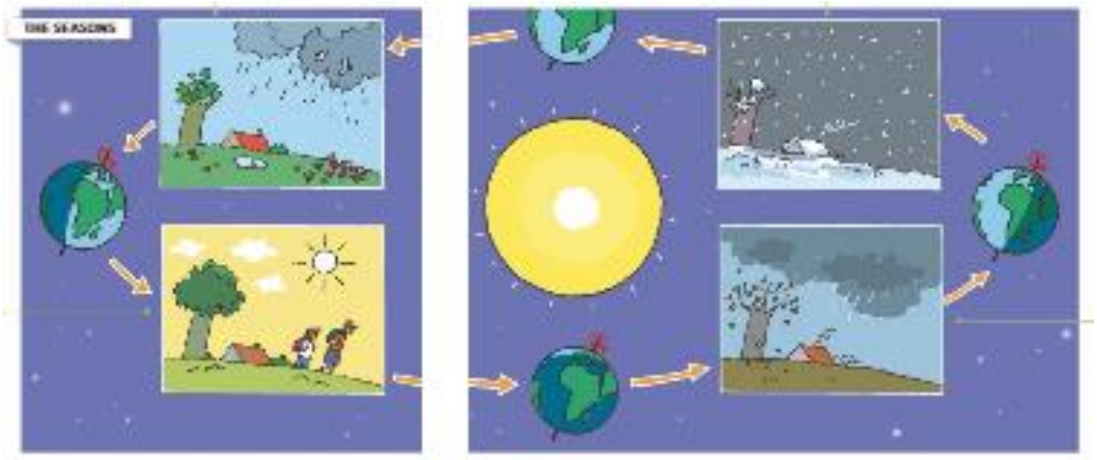
This movement around the Sun produces **the seasons**: spring, summer, autumn and winter.

•**Spring**: It is warmer and the days get longer

•**Summer**: it is very hot

•**Winter**: it is colder and the days are short

•**Autumn**: it starts to get colder



THE MOON
Pag.14-15

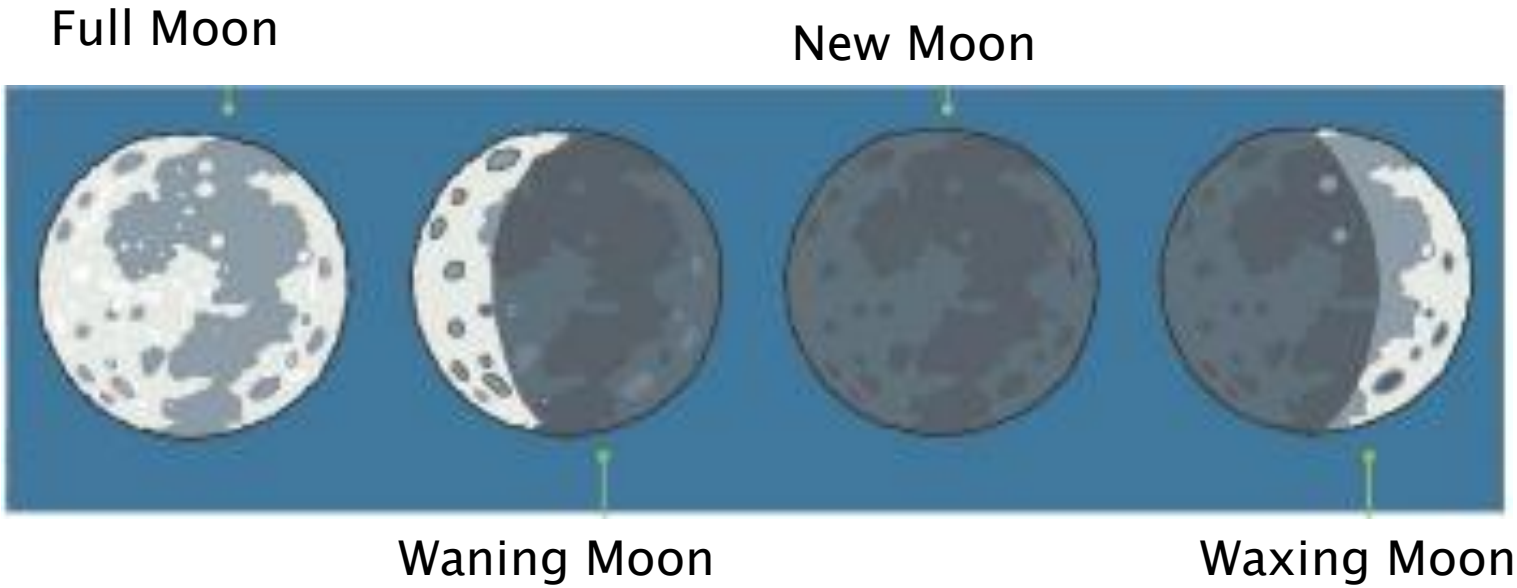
•The **moon** is Earth´s satellite.

•The moon is a non luminous body. Only bright because the Sun is shining on it.

•A **sattellite** is a spherical celestial body that orbits around a planet.

The phases of the moon

Depending on the Moon´s position we can see all of it or none of it. These are called the phases of the Moon.



WE ARE PART OF THE UNIVERSE

Most astronomers believe the universe began in the Big Bang which was a big explosion.

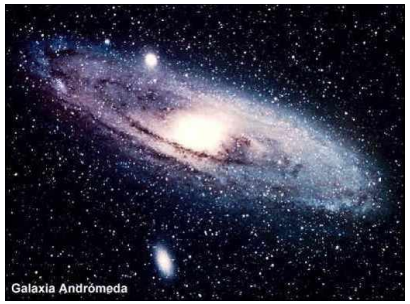
The universe

•Is made up of all the celestial bodies that exist: planets, satellites, asteroids, stars,...

Our galaxy: the Milky Way

• A galaxy is a group of stars and planetary systems.

•Our galaxy is called The Milky way



How scientistic study the universe

To see celestial bodies in more detail, astronomer use

- SPACE TELESCOPE
- LAND TELESCOPE