

A Mythological, Philosophical and Astronomical approach of our solar system

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Teaching Geography in the first Class of Gymnasium - secondary education we will focus in Solar System:

Astronomical approach: Students will look and find the astronomical data of the planets, they will make comparisons between the sizes of their radius, they will find the distance from the Sun, they will search the relative motion, they will calculate the gravity on each planet, etc.

Mythological approach: We will search the names and meanings of the planets based on Greek mythological origin.

Philosophical approach: Regarding the philosophical approach of the “solar system” we will look and find:

- Why planets are called so?
- How did planets get their names?
- What are the periods of Greek astronomy?
- What were the astronomical instruments of ancient Greeks and who did built them?
- What were the Greek philosophers and astronomers? When did they live and what did they discover?
- Which method did Eratosthenes of Cyrene apply about 206B.C. to serve a real measurement of the earth’s radius?
- What was the relationship between science and religion in ancient Greece?

Literature approach: At the end of the program students will write their opinion in subject “Having a friend from another planet” based on the book of Antoine de Saint - Exupéry “The little prince”.

Law approach: A jurist working in Secondary Education will visits our school and engages students in the Space Law.

Artistic approach: Students will create their own posters of our planetary system. The best posters will be posted on the school bulletin board to display their work.

Visit: Students and teachers will visit the Observatory of Larissa where they will see how observatory works and talk with scientists about their job. They will look through telescopes and observe the sun.