



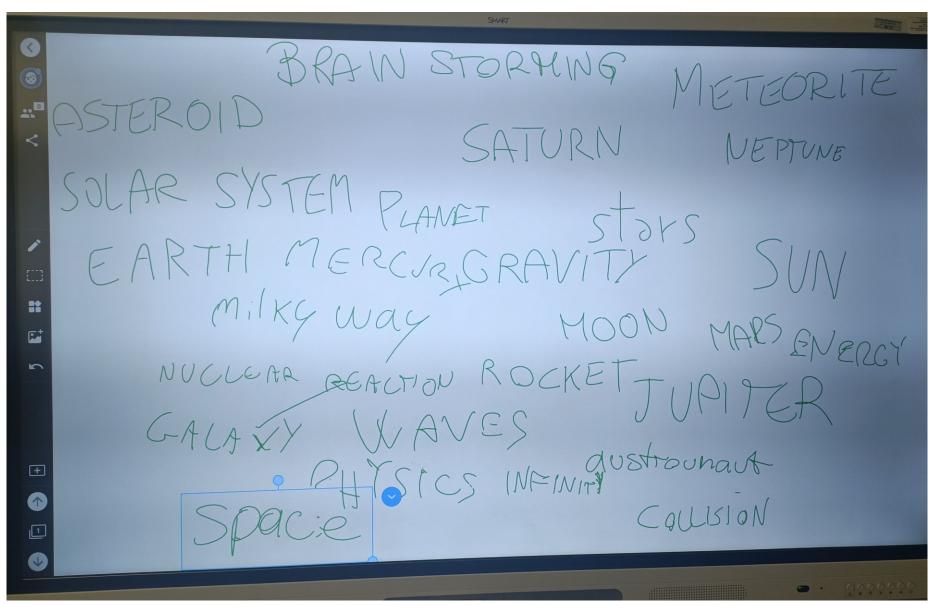
# CLIL?

- CONTENT
- LANGUAGE
- INTEGRATED
- LEARNING

The study of a subject in a different language



#### **BRAINSTORMING: ASTRONOMY**

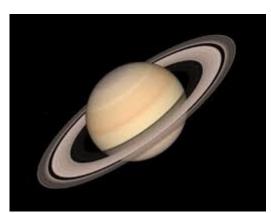


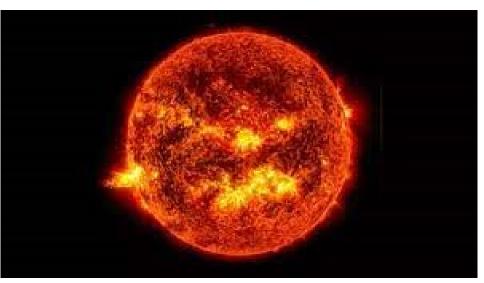


#### WHAT IS ASTRONOMY?

#### THE STUDY OF EVERYTHING IN THE UNIVERSE BEYOND EARTH'S ATMOSPHERE











https://www.amnh.org/explore/ology/astronomy/what-is-astronomy



## WHAT IS THE UNIVERSE?

The Universe is everything: it includes all of space, the whole matter and energy that space contains. It even includes time itself.

#### WHAT CAN WE FIND IN THE UNIVERSE?

• STAR = a star is a huge glowing ball of hot gas, most of it is hydrogen. Hydrogen atoms smash together forming Helium so they create and release a lot of energy that heats the gas: this is called nuclear fusion, and this is why a star shines.



 SUN = our star, a yellow star, average in terms of size, "in the middle" of our solar system. It's 4,6 billion years. <a href="https://science.nasa.gov/sun/facts/">https://science.nasa.gov/sun/facts/</a>





#### WHAT CAN WE FIND IN THE UNIVERSE?

• MOON = our natural satellite, rocky and cratered, roughly a quarter the size of Earth. "Moon" is also used referring to any satellite orbiting a planet: Jupiter has 95 moons.



 PLANET = celestial body that orbits a star, has a spherical shape and has a cleared orbit (there are no dust along its orbit). Our solar system counts 8 planets and 1 dwarf

planet (Pluto)



#### WHAT CAN WE FIND IN THE UNIVERSE?

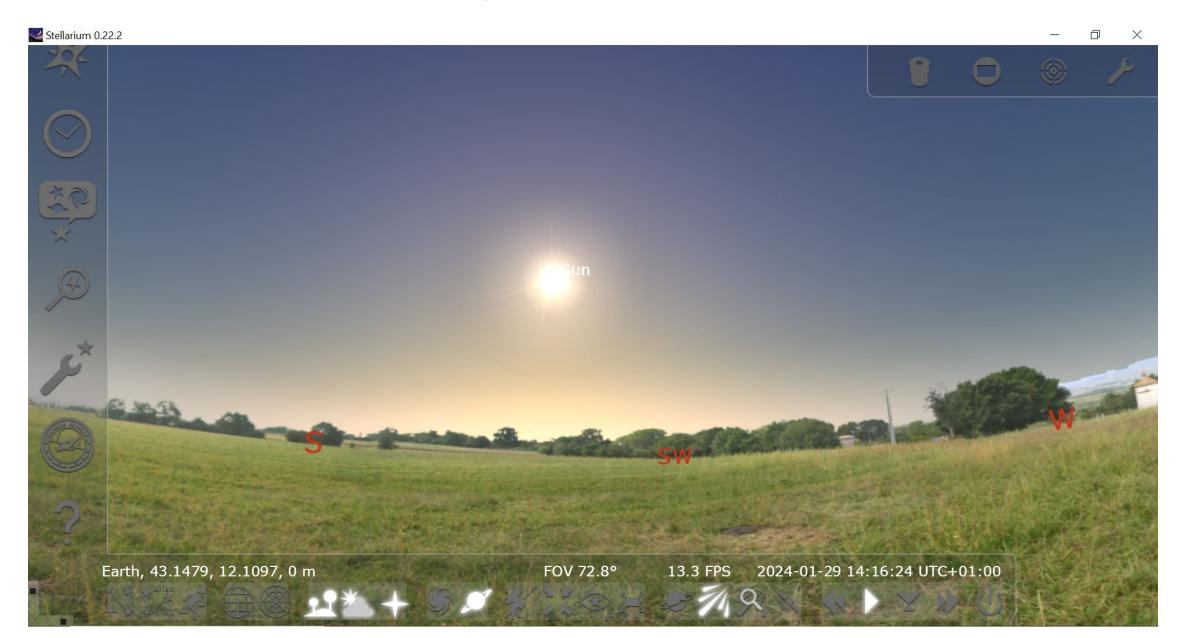
• GALAXY = a galaxy is a giant spinning object made of gas, dust, and stars. Galaxies come in different sizes and shapes and can contain billions of stars. Our galaxy is the

Milky Way.





### **Stellarium**





#### **Stellarium**





#### **Stellarium**

