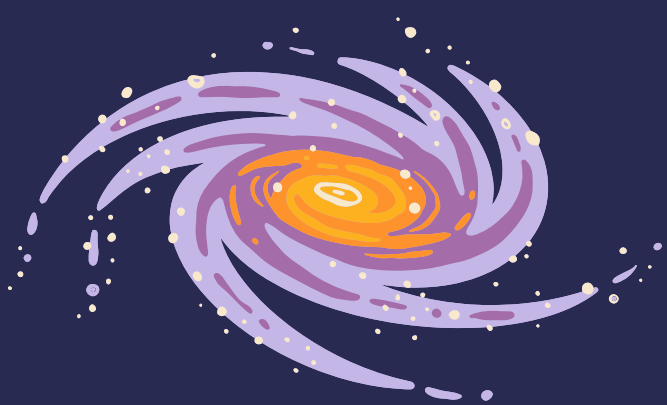


LET'S TALK ABOUT GALAXIES

TYPES OF GALAXIES

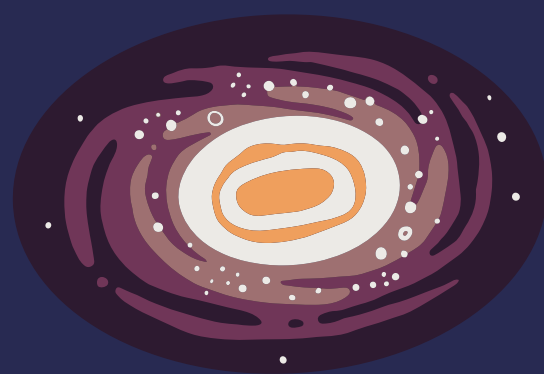
Galaxies are huge collections of gas, dust, and stars held together by gravity.



SPIRAL

They are made up of stars, gas, and dust that rotate in a disc-like shape.

Several arms come out from their centre.



ELLIPTICAL

They are egg-shaped and vary in size. Their colour ranges from reddish to yellowish due to the older stars in them.



IRREGULAR

They lack a distinct or organised structure or shape. This irregularity is often caused by collision or complex interaction with another galaxy.



EARTH'S GALAXY

The Milky Way galaxy is a spiral galaxy with at least 200 billion stars. Our solar system is located in its arms and orbits the centre. The Milky Way's centre is a supermassive black hole.

TOOLS FOR SPACE IMAGING

Space telescopes are launched into orbit and are used to capture clearer images of our solar system, our galaxy, and beyond.



Hubble Space Telescope

Launched in 1990, it collects data in visible, infrared, and ultraviolet wavelengths of light.



James Webb Space Telescope

The newest space telescope launched in 2021. It uses near-infrared and mid-infrared wavelengths.