

Objective

By the end of this lesson, you will be able to understand what galaxies are and some interesting facts about them.

Materials and Prep

- Computer or tablet with internet access
- Pen and paper
- Curiosity and a desire to learn!

No prior knowledge is required, just come ready to explore the universe!

Activities

- **Galaxy Research:** Use the internet to research and write down at least 3 interesting facts about different galaxies.
- **Galaxy Drawing:** Draw your own galaxy with colorful stars and planets. Be creative!
- **Galaxy Quiz:** Create a quiz for yourself or a family member about galaxies. Test your knowledge!

Talking Points

- **What is a Galaxy?**
"Galaxies are huge collections of stars, planets, gas, and dust held together by gravity."
- **Types of Galaxies:**
"There are different types of galaxies like spiral, elliptical, and irregular galaxies. Each one is unique!"
- **Size of Galaxies:**
"Galaxies can be really big! Some are millions of light-years across, which is incredibly vast!"
- **Galaxy Formation:**
"Galaxies formed billions of years ago from clouds of gas and dust. It's like a cosmic puzzle!"
- **Interesting Fact:**
"Did you know that our Milky Way galaxy is estimated to have over 100 billion stars? That's mind-blowing!"