

Objective

By the end of this lesson, the first grade student will be able to understand the basic concepts of the galaxy and its place in Earth Science.

Materials and Prep

- Paper and pencil
- Coloring materials
- Access to a computer or tablet with internet

No prior knowledge is required for this lesson.

Activities

1. Introduction to the Galaxy: Start by discussing with the student what they already know about the galaxy. Show them pictures or videos of galaxies to spark their interest.
2. Galaxy Coloring: Provide the student with a black and white outline of a galaxy. Let them use their coloring materials to color it in, encouraging them to be creative.
3. Galaxy Exploration: Using a computer or tablet, guide the student to explore interactive websites or videos that provide information about the galaxy. Encourage them to ask questions and discuss any interesting facts they discover.
4. Galaxy Creation: Have the student draw their own galaxy on a piece of paper. Let them use their imagination to create a unique galaxy with stars, planets, and other celestial objects.

First Grade Talking Points

- "The galaxy is a vast collection of stars, planets, and other celestial objects."
- "Our Earth is part of a galaxy called the Milky Way."
- "There are many other galaxies in the universe, each with its own unique features."
- "Galaxies can be different shapes and sizes."
- "Stars are like the Sun and they are found in galaxies."
- "Some galaxies have spiral arms, while others have a more elliptical shape."
- "Scientists use telescopes to study galaxies and learn more about them."
- "The galaxy is a fascinating subject in Earth Science that we can continue to explore and learn about."