

## Objective

By the end of this lesson, you will be able to understand the basics of biology and have fun exploring the world of living organisms!

## Materials and Prep

- Pen and paper
- A computer or tablet for research
- Curiosity and enthusiasm!

No prior knowledge is required for this lesson, just an eagerness to learn!

## Activities

- **1. Nature Walk and Observation:** Take a walk in your backyard or a nearby park. Observe plants, insects, and animals. Take notes on what you see and try to identify different species.
- **2. DIY Plant Experiment:** Choose a plant in your house or garden. Experiment with different watering schedules or sunlight exposure and observe how the plant reacts over a week. Record your findings.
- **3. Create a Mini Ecosystem:** Use a clear glass jar or container to create a mini ecosystem. Include soil, plants, and small insects. Observe how the ecosystem functions and sustains life.

## Talking Points

- **What is Biology?**  
"Biology is the study of living organisms, from tiny bacteria to complex animals like us."
- **Why is Biology Important?**  
"Understanding biology helps us understand how life works, from how plants grow to how our bodies function."
- **What is an Ecosystem?**  
"An ecosystem is a community of living organisms interacting with each other and their environment. It's like a big, interconnected web of life!"
- **How do Plants Grow?**  
"Plants need sunlight, water, and nutrients from the soil to grow. They also use a process called photosynthesis to make their own food."