

## Core Skills Analysis

### Science

- Gained an understanding of ecosystems by observing how different plants and microorganisms interact within the jar.
- Learned about the water cycle as they watched condensation form on the inside of the jar.
- Explored the concept of habitats by creating a contained environment suitable for plant life.
- Identified the basic needs of plants, such as light, water, and nutrients, and how these can be managed in a terrarium.

### Art and Design

- Developed creativity by choosing different plants and decorations for aesthetic appeal.
- Practiced fine motor skills by carefully layering soil and arranging plants within the jar.
- Learned about color composition and balance by selecting plants and decorative elements that complement each other.
- Explored the concept of design by planning the layout of the terrarium before assembly.

### Mathematics

- Applied measurement skills when determining the amount of soil needed for the terrarium.
- Used counting skills to ensure the right number of plants were included for a balanced ecosystem.
- Developed spatial awareness by arranging plants in a way that maximizes their growth potential.
- Incorporated estimation by predicting the growth and expansion of plants over time.

### Tips

To further explore and improve, the student can research different types of plants that thrive in terrariums and experiment with variations in their environment, such as adjusting light levels or humidity. They might also consider documenting their terrarium's growth over time, which could enhance their observational skills and understanding of plant biology.

### Book Recommendations

- [The Secret Life of Trees](#) by Carrie W. McLain: An engaging book that explores the fascinating world of trees and their ecosystems, perfect for young nature enthusiasts.
- [Terrariums: Gardens Under Glass](#) by Philippa Pike: A hands-on guide to creating and caring for terrariums with easy instructions and fun facts about the plants inside.
- [Planting a Rainbow](#) by Lois Ehlert: A colorful introduction to different plants and flowers, encouraging children to explore the diversity of nature.