RESEARCH PROJECT

Discovering Ecological Secrets: The DES-Greenhouse Adventure

Summary. The following report highlights the engaging and educational greenhouse project conducted by a group of enthusiastic elementary school students. Under the guidance of their science teacher, the students explored the wonders of plant life and gained valuable insights into plant biology.

Subject of the study. On a bright and sunny day, the students gathered inside the school greenhouse, which housed a diverse array of plants, ranging from tall and leafy specimens to small and delicate ones. The project aimed to provide the

students with hands-on learning experiences and foster their understanding of plant biology.

Aim of the study. The project aimed to provide the students with hands-on learning experiences and foster their understanding of plant biology.

Activities:

Introduction to Plant Biology: The science teacher began the project by explaining the fundamental principles of plant biology. The students learned about the vital process of photosynthesis, the absorption of nutrients from the soil, and the different stages of the plant life cycle.

Group Studies: The students were divided into small groups, with each group assigned a different type of plant to study. They meticulously observed their respective plants, closely examining the leaves, stems, and roots while taking detailed notes on their observations.

Discussion and Sharing: Throughout the project, the students actively engaged with their teacher, asking questions and sharing their findings with one another. They discussed the intricacies of plant anatomy and physiology, marveling at the unique patterns on leaves and the rapid growth of seedlings.

Findings Presentation: After completing their group studies, the students reconvened to discuss their findings collectively. They shared their newfound knowledge about their assigned plants and explored the similarities and differences between them, promoting a comprehensive understanding of plant diversity.

Transplanting Seedlings: To conclude the project, the students were given the opportunity to apply their knowledge practically. They participated in transplanting seedlings into larger pots, carefully digging holes in the soil, placing the seedlings, and covering them with fresh soil. This hands-on experience reinforced their understanding of the plant life cycle and the importance of proper care**.**

Conclusion:

The greenhouse project left a lasting impact on the participating elementary school students. They departed the greenhouse feeling inspired by the beauty and complexity of the plant world and developed a newfound appreciation for the significance of environmental stewardship. Through engaging activities and active learning, the students gained valuable knowledge about plant biology, fostering their scientific curiosity and environmental awareness.