

## PRIMARIA

# THE IMPORTANCE OF BEES

## A BILINGUAL PROJECT BY FORM 3 STUDENTS

At the beginning of the year, our school experienced a unique phenomenon—an unexpected appearance of bees in the playground. This occurrence has sparked the curiosity of Form 3 students, prompting their teachers to harness this interest in a project focused on the vital role bees play in our ecosystem. Titled “What Would Happen If There Were No Bees in the World?”, this bilingual project aims to raise awareness about the alarming decline in bee populations and highlight the importance of biodiversity.

### Project Objectives

The overarching goal of this initiative is to engage students in understanding the significant implications of diminishing bee populations. Scientists worldwide are concerned about this issue, not only because of its potential impact on the beekeeping industry but also due to the broader consequences for ecological balance and the preservation of life on Earth. By focusing on the situation at our school, we aim to create a relatable context for students to comprehend the realities surrounding this problem. The project encourages inquiry-based learning, as students will explore various questions that arise from their observations and discussions about bees. This approach allows the project to evolve according to the students' interests, fostering deeper engagement and understanding of the crucial role that bees play for both humans and the environment.

### Engaging Students with Biodiversity

One of the key objectives is to impart knowledge about biodiversity and its significance in our lives. Students will learn about the intricate interactions between living organisms and their environments, as well as the essential contributions of pollinators like bees to the reproductive processes of natural ecosystems. Understanding that bee pollination is critical to our food supply is an integral part of this project. Alarming, bees, which are some of the main agents of pollination, are disappearing at an unprecedented rate due to factors such as industrial agriculture and the widespread use of toxic pesticides.

**To facilitate this learning process, a variety of materials and strategies are being employed:**

- **Story “Every Bee’s Birthday”:** Students will enjoy a narrative that highlights the life of bees, fostering empathy and understanding.

- **Mysterious Box Activity-** This hands-on activity encourages students to discover the components of a beehive and the roles of different bees through exploration and inquiry.

- **Film “Bee Movie”:** This animated film serves as an entertaining introduction to the importance of bees, capturing students' attention while conveying educational messages.

- **Reading Comprehension Exercises:** Students will enhance their reading skills through analyzing texts related to bees and their ecological roles.

- **Lifecycle of a Bee:** Lessons will cover the different stages in a bee's life, leading to a practical hands-on activity where students will “Build the Bee Life Cycle Maquette.”

- **Video Resource:** Students will watch an educational video on the parts of bees available online to solidify their understanding of bee anatomy.

- **Project Notebook Recording:** Throughout the project, students will document their findings and reflections in a dedicated project notebook, promoting active engagement and reflection.

- **Art Activity:** In the “Create Our Own Bee” activity, students will express their creativity through art while reinforcing their knowledge of bee characteristics.

- **Team Projects:** Collaborative work focusing on “Types of Bees” and “A Day

in the Hive” will allow students to research and present their findings about different bee species and their daily activities.

By directly addressing the students' inquiries and interests regarding the presence of bees, this project is designed not only to educate but also to inspire a sense of responsibility and stewardship over our environment. We want our future citizens to grasp the importance of conserving ecosystems and the vital roles that various species, particularly bees, play within them.

### Conclusion

As Form 3 students dive into this bilingual project, they will uncover essential knowledge about ecological health and the significant ramifications of bee population decline. With our guidance, we are confident that this initiative will spark a passion for environmental awareness among the students, encouraging them to engage actively in the conservation of biodiversity.

Through discussions, research, and collaborative activities, the project seeks to motivate students and enrich their understanding of this pressing environmental issue. The journey begins with the simple question of “What would happen if there were no bees?” and unfolds into a comprehensive exploration of the interconnectedness of life on our planet. As we delve into these discussions, we hope to empower our students to become informed advocates for the natural world around them.



**Educators Juan Pablo Benítez, Sabrina Muñoz, Florencia Alvez, and Valentina Boix**

## RESUMEN DEL PROYECTO

El proyecto bilingüe titulado “¿Qué pasaría si no hubiera abejas en el mundo?” es una iniciativa de los alumnos de Form 3 que busca sensibilizar sobre la importancia de las abejas y la disminución de su población. Motivados por la aparición de abejas en el patio del colegio en el mes de marzo, los alumnos están explorando temas como la polinización, el ciclo de vida de las abejas y la biodiversidad. A través de diversas actividades, como la lectura de la historia “Every Bee’s Birthday”, la visualización de la película “Bee Movie”, la creación de maquetas y trabajos en equipo, los alumnos tienen la oportunidad de investigar y reflexionar sobre la importancia de las abejas para el equilibrio del ecosistema y nuestra alimentación. Este proyecto, guiado por los docentes Juan Pablo Benítez, Sabrina Muñoz, Florencia Alvez y Valentina Boix, busca fomentar en los estudiantes una responsabilidad hacia la conservación del medio ambiente.