

# Jacob Matriculation Higher Secondary School, Periyakuppam

## Green Warriors Day Report: A Month of Scientific Exploration

### October 8, 2024: Unraveling the World of Chemistry

On this Green Warriors Day, the young scientists of Jacob Matriculation Higher Secondary School delved into the fascinating realm of chemistry. Under the expert guidance of **Ms. Lalitha and Ms. Fathima**, students presented insightful explanations of various chemical equations. They explored the properties and applications of metals and non-metals, showcasing a deep understanding of fundamental chemical concepts. The enthusiasm and clarity with which the students presented their knowledge were truly commendable.



### October 29, 2024: A Multidisciplinary Scientific Showcase

The Green Warriors Day of October 29th was a vibrant celebration of diverse scientific disciplines. Guided by **Ms. Fathima, Ms. Lalitha, and Ms. Stella Mary**, students explored a wide range of topics:

- **Botany Basics:** Students gained a comprehensive understanding of different root types, a fundamental aspect of plant anatomy.
- **Optics in Action:** The intriguing world of optics was unveiled through the creation and demonstration of pinhole cameras. Students were able to visualize the rectilinear propagation of light firsthand.
- **Human Physiology:** The intricate workings of the human body were explored, with a particular focus on the vital role of the kidneys in maintaining homeostasis.

The students' presentations were engaging and informative, demonstrating their keen interest in scientific inquiry.



## November 19, 2024: A Focus on Sustainability and Human Biology

The final Green Warriors Day of the month, held on November 19th, was dedicated to exploring essential topics related to human biology and environmental sustainability.

- **Metabolic Marvels:** Under the guidance of Mrs. Fathima, students delved into the complex processes of metabolism and catabolism, gaining insights into the energy dynamics of living organisms.
- **Textile Tales:** The world of textiles was explored, with a focus on the distinction between natural and synthetic fibers.
- **Water Warriors:** Mrs. Lalitha led students in a discussion on the critical issue of water pollution prevention. They also learned about different types of storms and the importance of effective sewage management and water conservation practices.
- **Insects Unveiled:** Mrs. Stella Mary guided primary students in identifying various insect body parts and exploring the diverse food sources of these fascinating creatures.



Through these diverse activities, the Green Warriors Day initiative continues to inspire young minds and foster a love for scientific exploration.