



# THE BISHOP'S CO-ED SCHOOL, UNDRI

## Experiencing the Magic of Innovation

### (Report on ELE Activity 1)

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**Class:** VI

**Date:** 9<sup>th</sup> December 2023

The experiential learning activity was conducted at The Bishop's Co-Ed School, Undri led by Mrs. Priya Kulkarni and Mrs. Amruta Kamble, aimed to enhance the learning experience of Class 6 students by providing them with hands-on experience in constructing a motor boat. The session began with an insightful explanation of the principles of buoyancy and why objects float, setting the foundation for the practical application that followed.

**Objective:** The primary objective of the activity was to engage students in a practical exploration of scientific principles related to buoyancy while fostering teamwork, creativity, and problem-solving skills. By constructing motor boats from individual kits, students were encouraged to apply theoretical knowledge to real-world situations.

#### **Session Overview:**

##### **1. Introduction to Buoyancy:**

Mrs. Priya Kulkarni commenced the session with a captivating explanation of buoyancy. Using interactive visuals and everyday examples, she clarified the concept of why certain objects float while others sink. This theoretical foundation

was crucial for students to comprehend the science behind their upcoming boat-building activity.

## **2.Distribution of Individual Kits:**

Each student was provided with an individual kit containing materials necessary for constructing a motor boat. The kits included items such as a small motor, propeller, lightweight materials for the boat structure, adhesive, and other essential components. This approach allowed students to have a hands-on experience and take ownership of their learning.



## **3.Guided Construction Process:**

Mrs. Kulkarni facilitated a step-by-step construction process, guiding students through assembling the boat components. This hands-on activity promoted teamwork, communication, and problem-solving skills as students collaborated to build functional motor boats.



#### **4. Testing and Iteration:**



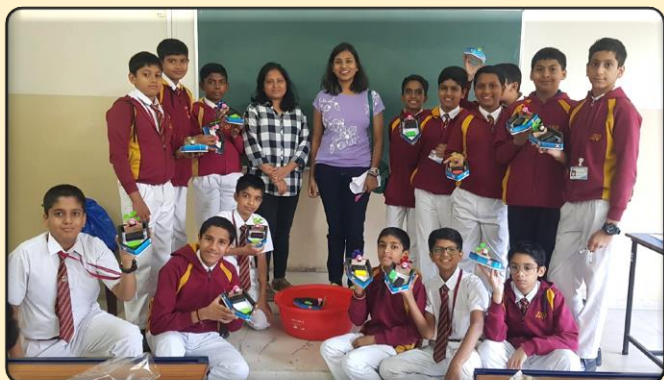
After the construction phase, students were given the opportunity to test their motor boats in a designated water area. This practical testing phase allowed students to observe the application of buoyancy principles and make necessary adjustments to improve their boat's performance. This iterative process encouraged critical thinking and problem-solving.

#### **5. Debrief and Reflection:**

Following the testing phase, Mrs. Kulkarni led a debriefing session where students reflected on their learning experiences. They discussed challenges faced during the activity, the effectiveness of their boat designs, and the correlation between theoretical knowledge and practical application.

#### **Conclusion:**

The experiential learning activity at The Bishop's Co-Ed School, Undri, provided Class 6 students with a valuable opportunity to bridge the gap between theory and practice. Mrs. Priya Kulkarni's interactive approach and the hands-on nature of the motor boat construction facilitated a deeper understanding of buoyancy principles while fostering teamwork and problem-solving skills among the students. This experiential learning initiative not only enriched the students' academic journey but also instilled a sense of curiosity and enthusiasm for scientific exploration.



"In navigating the waters of knowledge, the students at The Bishop's Co-Ed School didn't just learn about buoyancy; they crafted their own voyage of discovery, proving that hands-on experiences are the wind beneath the sails of education!"

Report by:



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