



STEM Activity Report

August 16, 2024

“ Education is not the filling of a pail, but the lighting of a fire.”

As guided by NIE Team in the third phase of STEM Leadership Training Program held at Mundra, enactment of lesson plan was done on August 16, 2024. Teachers of STEM Team conducted the STEM Activity with students from all the sections of class VIII. The lesson plan on ‘Clean Water’ shared by NIE team was used for this purpose.

All the students of class VIII assembled in school multi purpose hall. The lesson started with the introduction about the uses of Water; it was followed by the problems caused due to the scarcity of water. Through the video showcasing Water scarcity students got insight of the problem. They then suggested different ways in which water could be collected.

Further the concept of evaporation and condensation was revised. Teachers divided the students into groups and asked them to discuss, design and construct a convenient, clean and consistent water source for villagers. They were given the required materials to design their prototype. Other than the required materials there were also additional materials available at Supermarket which they could purchase through credit points. STEM Teachers guided students in this process.

Students built their models using plastic containers, used bottles, net, foil paper, straws, clay and other materials. They also tested their models by analysing the volume of water collected. Students successfully designed and built functional water collection system models. Teachers then helped students to reflect on the process and prototype. Students demonstrated understanding of STEM concepts like engineering design, water cycle and conservation.

It was a good learning experience for our students. Through experimentation, students learnt new ways of observing, analyzing and solving complex issues.



