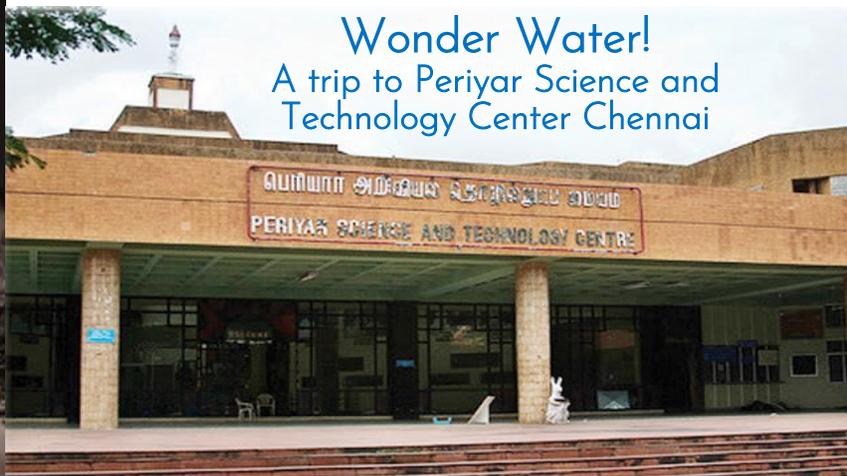


Wonder Water! A trip to Periyar Science and Technology Center Chennai



25th February of 2020 proved to be an exciting day for the Science students of class XI of PSBB Nungambakkam, who were taken to attend the 'WATER EXPO' at Periyar Science and Technology Centre, Chennai.

Organized in collaboration with the Smithsonian Institution Travelling Exhibition Service (SITES), Care Earth Trust, and Science Gallery Bengaluru, Water Matters engaged and inspired young people, professionals, and the general public on wonder liquid of. The U.S. Consulate General, Chennai invited the public to explore challenges and solutions related to sustainable water management through the multi-disciplinary 'Water Matters' initiative.

The exhibition comprised of 53 panels focusing on Science and sustainable water management innovation. The students walked from one stall to another drinking in all the information on display. A stall that attracted the attention of most students was the one regarding art related to water. This included well known structures like the Lincoln Memorial in Washington DC, USA. A pool of water reflected the memorial, creating a beautiful picture !

There were several stalls briefing students on the different states of water. Students were thrilled to learn in detail about the structure of ice and what helps it float in water. They found that they were able to connect with what they had learnt in school and this made the experience all the more enjoyable.

Many physical properties of water were also described in detail. To show the existence of unique properties of water such as surface tension and capillarity, interactive experiments were set up, which encouraged students to learn while having fun.

Students were directed through the next set of stalls by a volunteer. They were made aware of the different ways in which water is misused and how it could cause drastic changes in the environment. To help tackle this problem, they were shown various water management methods. Common methods include the construction of dams and tanks-'eris' as they are called in Tamil Nadu. Students were shown images of dams such as 'The Grand Anicut' constructed by the Chozha dynasty.

Gender equality was an important topic in the expo. Students were made aware of the fact that in most rural households, it is the women who are made to do the laborious tasks of carrying heavy pots of water over long distances. To demonstrate their struggle, students were asked to try carrying a heavy pot of water on their head and many found it incredibly difficult. A short film titled 'Locker' that highlighted the problems of water scarcity faced in rural areas was then screened. This was thought provoking and helped students expand their horizons.

The students were very intrigued by all the new information displayed. To sum up, the main goals of this project include: safeguarding the well-being of citizens; encouraging scientific, technical and academic exchange; promoting innovation; fostering economic partnership; and strengthening ties between the government and the people.

The students then received a surprise! They were taken to watch the planetarium show. A wonderful presentation on the formation of the universe was shown to the students. They enjoyed this immensely. The students left the 'water expo' in awe of the exhibits they had seen and the show they had watched, grateful for the opportunity to attend a most informative and memorable exhibition.

Reporter,
Cyber pigeons, PSBB NGM

Shaping
the Climate

Water is the most abundant natural resource on Earth. It is essential for life and is a key component of the planet's climate system. Water is also a major source of energy and is used in a wide range of industries. The world's population is growing rapidly, and the demand for water is increasing. This is putting pressure on the world's water resources and the environment. We need to find ways to use water more efficiently and to protect our water resources for the future.



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