

## Project on Water Conservation

Around 60 students of classes 7 and 8 had an opportunity to attend a three day workshop conducted by Mr. Gautam, the resource person from REAP BENEFIT, Bangalore from 17th to 19th November 2016 at PSBB T Nagar. The DISC pattern adopted by him. 'D' - Discover, I- investigate, S- Solution, C- Communicate was followed for the project of water conservation in the school.



Students first estimated the amount of water utilised for several daily activities and by comparing this with actual statistics, were able to relate their learning to actual life situations.

They then went around the school in groups, getting information about the number of flush tanks and the capacity of the sumps and the tanks.

They witnessed videos on how water is being contaminated and the need to conserve water.

Students then investigated the usage of water at school per day for the different activities.

After discussion in teams, they came up with innovative and simple techniques to use minimal water for watering the quadrangle and garden using sprinklers and spray gun. They learnt how to reduce the pace /quantity of water flow from taps by using threads/rubber bands and reducer knobs.



Designing an innovative Sprinkler



Making a fitting for the taps to reduce the flow of water

After the hands on interventions, students spread awareness of water conservation to teachers and other students. They also checked out the way ARDUINO controller boards (open source electronics platform with easy to use hardware and software) could be used to identify and alert leakage of water.



### Training Session at the Computer lab

This was overall a very unique experience for the students which involved enquiry based learning and hands on activities. They also learnt the skills required for project management.

**IVY SCRIBES – Media Club**

**PSBB T. Nagar**