

## Seeing is believing:

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### Water Education Project

Mangalore, India

#### (02) Impressions and Statements of students – Shri Venkataramana Higher Primary School

12/01/2012; 09:49; A1/A2: Atmo / Direct Sound; FullHD



**Some 25 schools were selected to participate, involving a total of 5,000 students. The schools were given water testing kits and teachers and students were trained to use them for monitoring water quality at their sites.**

The project was comprehensive and integrated in its approach: from installing water supply infrastructure and providing education and training to students, teachers and the local community, to sharing information with the public and local authorities and building cooperation between communities.



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**06:03:43:00 L: Harshitha (12), R: Sushma (12)**



06:03:43:00 *Pure water, when we are doing a pH experiment, we get 25 ml water and put a pH solution into that, we have to immerse a paper in the water to see if there is pH. It should be kept in the open air for fifteen minutes immersed in the water. Then, the colour which will be matched to the pH - if that is below seven, it is pure water and we can drink it. If it is more than seven, it is not pure water and it is unfit to drink.\**

06:04:18:00 **(Teacher) Why should we need pure water?**

*Pure water is necessary so that we are protected from harming to our health.*

**(Teacher) Do you know that the water is a resource? Why do we call it a resource?**

*Because it is necessary for all our works and activities.*

**(Teacher) What do you mean by all works and activities?\***

06:04:36:00 *For drinking, washing clothes, and washing utensils, and it is essential for all our daily activities. So we call it a resource.*

**(Teacher) Without water, nothing could happen!**

06:04:48:00 **(Teacher) Do you boil the drinking water before drinking it in your house?**

*Yes. We do.*

**(Teacher) Tell me, why do you boil it?**

*To get pure water by destroying the bacteria contained in it.*

06:04:58:00 **(Teacher) Are you happy with the experiment about water now?**

*Yes, we are happy.*

**(Teacher) Which experiment makes you happiest?**

*That is... pH first.*

**(Teacher) OK.**

*And the chemical one, all are amusing.*

**(Teacher) Happy means, tell me: why are you happy?**

*Talking about making still water as pure as we can in our school, all these things are amusing.*



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06:05:21:00 *(Teacher) What is the importance of doing an experiment on this water? Why are we doing an experiment on water here?*  
*To know about it, we have to learn a lot about it in future. We have to know about it so that it will be helpful for us in the future.*

**06:05:41:00 L: Karthik (13), R: Divith (13)**



06:05:41:00 *We need pure water to protect our health.*  
*(Teacher) Now, for whom is pure water necessary?*  
*For us... pure water is necessary for human beings and for animals.*

06:05:55:00 *Because this is essential for our daily activities, then... it is also necessary if we go to any job in future.*

06:06:07:00 *(Teacher) Have you informed your parents of anything about the experiment of water?*  
*Yes, we informed them a bit of what we know. We informed them about all the lessons covered in the school. Now, we will inform them about it again.*

06:06:23:00 *We understand what has been informed to us now. If we drink water from the same glass of juice without having cleaned it, we take in dirt and bacteria. It should not be.*

**06:06:37:00 L: Nikitha (13), M: Pavithra (13), R: Yakshitha (13)**



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- 06:06:37:00 **(Teacher) Why do we need pure water?**  
*We need pure water for our good health... pure... to be healthy and to be free from diseases and... to participate in... competitions.*
- 06:06:55:00 *Because when we eat food, it should be digested. If it is not digested, I mean, if it is blocked here, it will harm our health without going into the stomach...  
Water is essential for all the functions of our body. No functions could work without water.*  
**(Teacher) Children, what do you mean by functions?**  
*Blood circulation, evacuation, for the heartbeat...\**
- 06:07:21:00 **(Teacher) Why should we need water outside?**  
*Water is essential for drinking, cooking, bathing, and for several activities like these...*

### **06:07:33:00 L: Akshay (13), R: Shreeharsha (13)**



- 06:07:33:00 **(Teacher) Do you drink well water after boiling it or without boiling it?**  
*We drink filtered water. Sometimes, we drink after boiling it and sometimes without boiling it.*  
**(Teacher) Why do you boil it?**  
*If it has virus in it, these will not be visible, so we drink boiled cooling water. All the viruses will die.*
- 06:07:52:00 **(Teacher) For whom is this pure water necessary and why?**  
*Pure water... for human beings, this is necessary for the good health of human beings and for animals and birds.*  
**(Teacher) Why it is necessary?**  
*For their daily routines.*
- 06:08:07:00 **(Teacher) How do you feel about this experiment now? Tell me, what did you learn?**  
*Now, we understand that water should be boiled before drinking it, and if water contains viruses they will be invisible, so we have to drink water after we have boiled it.*
- 06:08:21:00 **(Teacher) Did you tell your house members about this experiment?**  
*We will tell them how to purify water, and also inform them that we did an experiment on where we get water from.*



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### 06:08:35:00 L: Harshitha (13), R: Vaishali (13)



- 06:08:35:00 **(Teacher) Now, tell me. What do you know about water after your experiment?**  
*They teach us what we didn't know about water till now. That it should be purified, it should be boiled.*
- 06:08:47:00 *Now we have to drink water after having boiled it, we have to inform others of this. We should not drink water that we simply got from the well... Well water is pure. It has fish and dirt in it. So, we drink it straight. We often give boiled water to children.\**
- 06:09:06:00 **(Teacher) What will you say to your parents now?**  
*We will tell them that we did not know anything till now; we learnt it from them now. We learnt from them that we should drink pure water, boiled water.*
- 06:09:20:00 **(Teacher) Children, what are the experiments that you learned here now?**  
*We learnt physics, chemistry and biology. There are two types in physics: one is colour and the other smell. For the chemical experiment, we saw to which colour the pH matched. It matches up to seven. Then biology, which is about lemon... about turning it into an orange colour, all these.*

