

# Enhancing women capabilities in wastewater management: beginning from schools

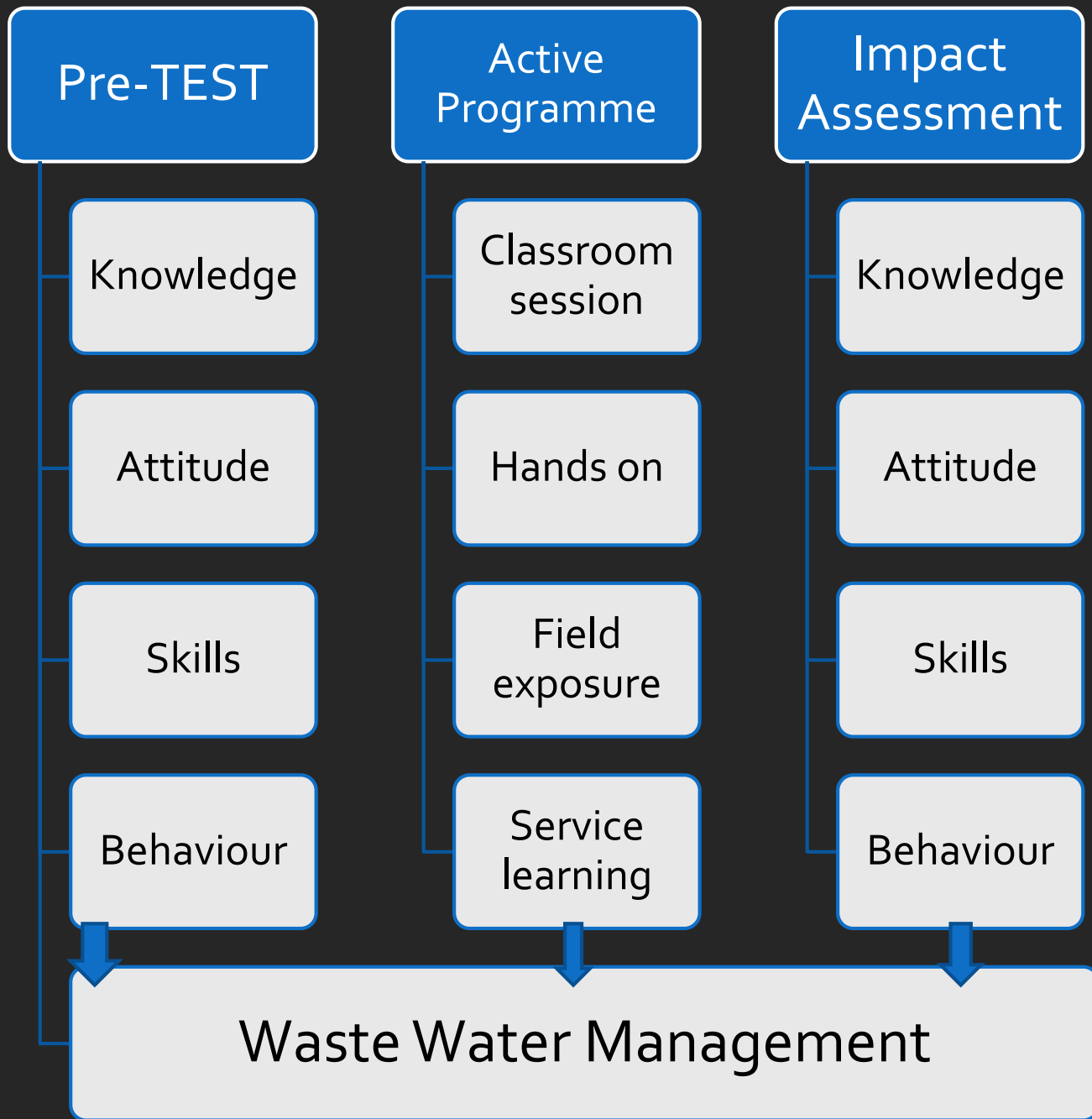
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# Objectives

1. To collect and manage wastewater.
2. To make best use of wastewater for sanitation purposes.
3. To enhance the capability of students with regard to wastewater management and water, sanitation and hygiene (WASH) to make them responsible women in their settled life, through training programs.
4. To monitor the incidence of diseases.

# Methodology

1. Study was conducted for five years in four schools with a population size of 100 students (50 boys and girls each) from each school, out of which 25 each were placed in two categories.
2. Category A, imparting training regarding wastewater management and water sanitation and hygiene (WASH) and category B, without any training.
3. The parameters studied were; per cent students passing matriculation, annual incidence of diarrhea, cholera, malaria, typhoid, headache and attitude.



# Parameters of Study

Particulars	Number
Duration of study	5 years
No. of schools	4
Population size	100 (50 boys + 50 girls)
Category	A & B
A (Training imparted)	50 (25 boys + 25 girls)
B (No training)	50 (25 boys + 25 girls)

# Awareness Programs

Awareness lectures were delivered on:

1. Wastewater management.
2. Sanitation, hygiene, hand-wash, etc.



Hearing from students  
what they have learnt



Supply of pure water to  
avoid infection



# Open House Discussion





# Per cent decrease in diseases incidence

Disease	Category A			Category B		
	Avg.	Boys	Girls	Avg.	Boys	Girls
Diarrhea	66	54	78	25	21	29
Typhoid	0	0	0	0	0	0
Malaria	50	43	57	33	30	36
Cholera	66	52	80	0	0	0
Headache	60	58	67	20	21	19

# Conclusion

- # India is the only country to have passed the landmark judgments directing all education boards to include environmental education (EE) as part of the formal education system at all levels.
- # Much remains to be done to redesign the school curricula so that waste water management can be organically integrated into the core education modules, instead of keeping it as a separate paper or activity.
- # The lessons learnt may be used for revising the curricula. EE must impart the students with necessary attitudes, behaviour, knowledge and practical skills that will enable them to continue learning after they leave the school, to facilitate sustainable lifestyles.

