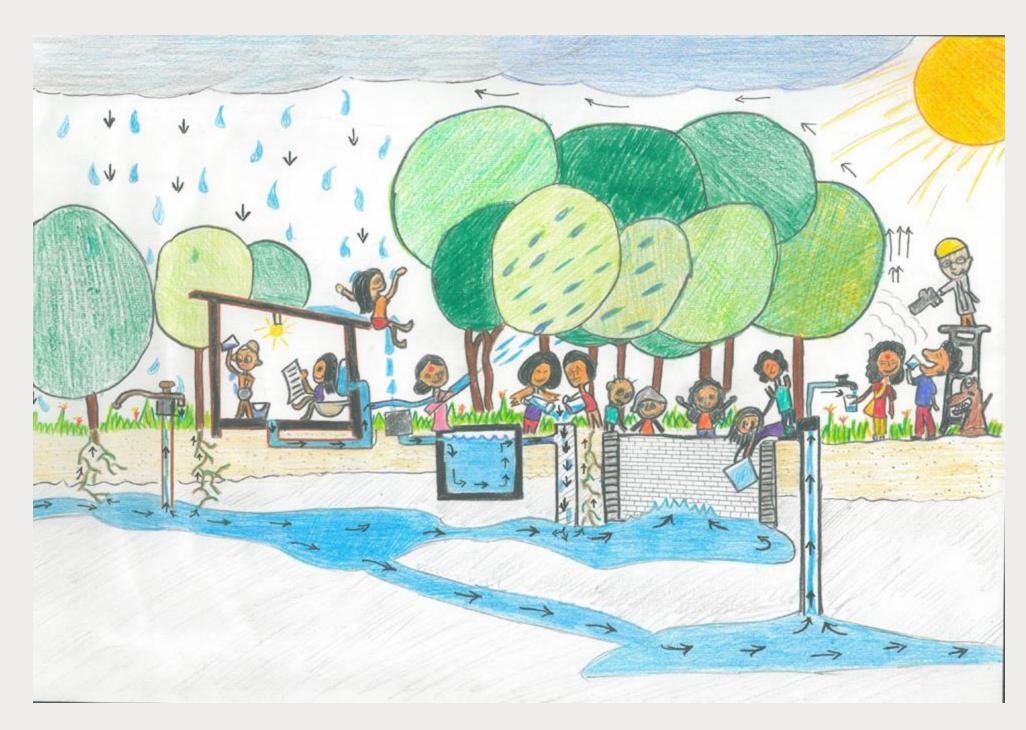


Facilitating Water Classrooms: Inclusive, Interactive, Inspiring

Living Waters Museum, India

Chhavi Mathur and Sara Ahmed Indian Institute of Science Education and Research, Pune

















Building ethical values for water security

"Water only can be saved, For it can not be made Dadaji (Grandpa) saw it in the river Father saw it in the well We've only seen it in taps But what about our children? Where will they see it? No one knows No one knows No one knows..."



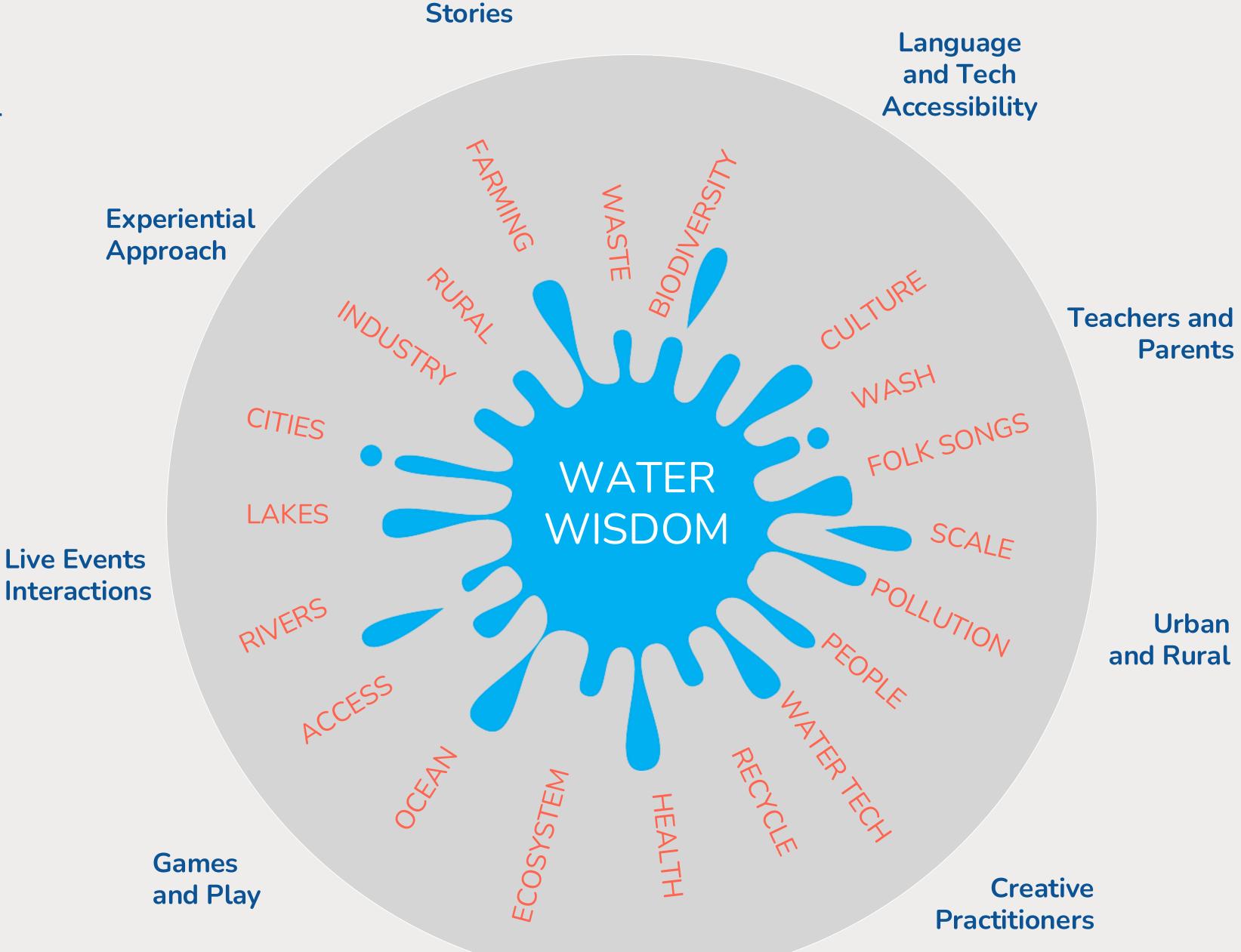
Source: Sakshi, Tina, Niharika, Ghatgara village, Madhya Pradesh, India

www.wateraidindia.in/donate/heroes-of-change

Interactive Stories

Holistic Water Education

- Re-imagining Multi-faceted, Inclusive Water Education
- Using Design, New Media, Technology and Storytelling
- Physical and Digital Approaches
- Informal / Formal Schools
- Building Collective Social Responsibility for Water





Water Classrooms: Transforming Education for Sustainable Futures



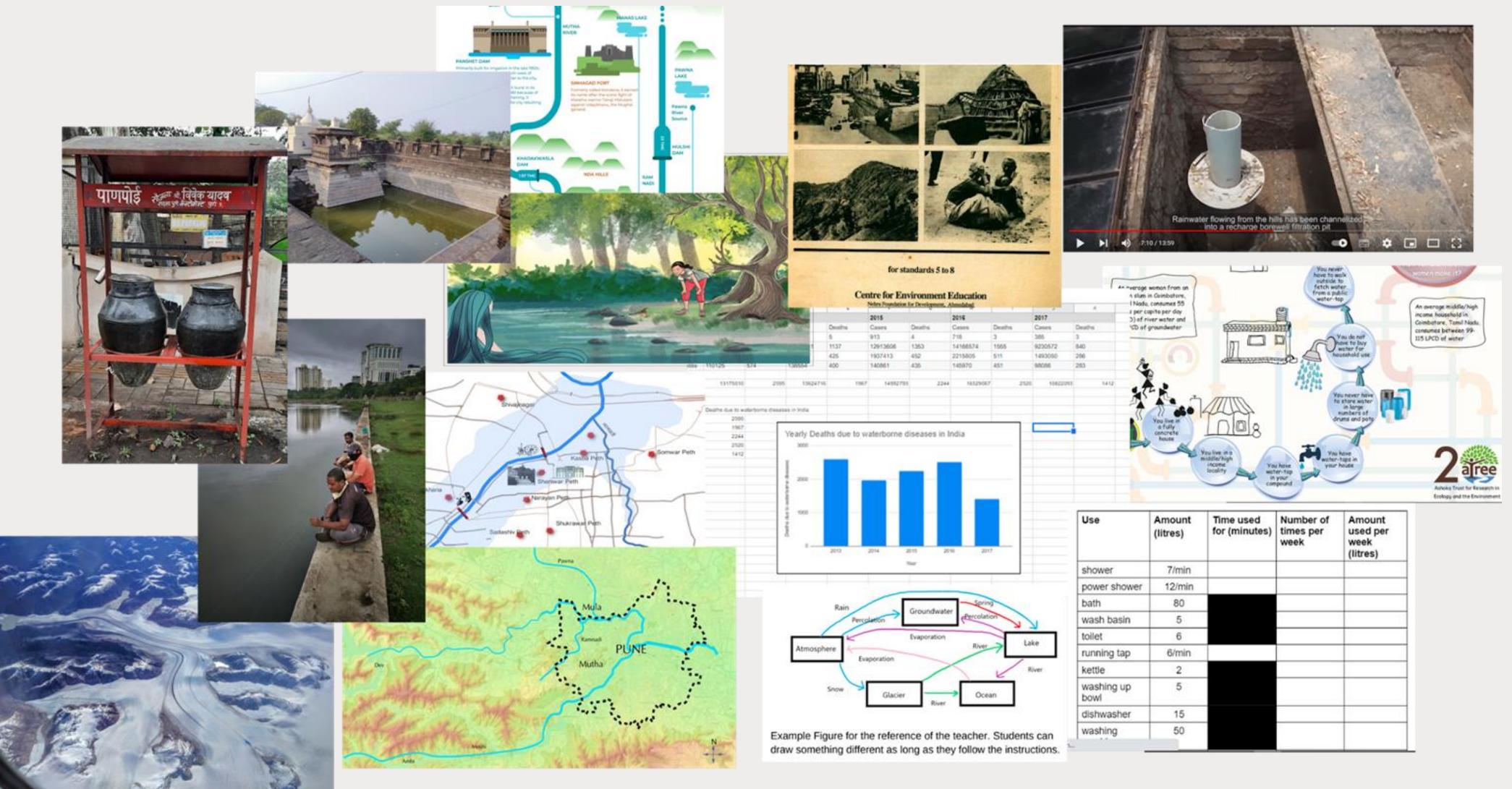




















Water Classrooms Framework

WATER AND THE SELF	SHARED WATERS
Water and 'myself'	Water values/cultural practices
Where does my water come from?	Water as a human right (access)
Water I use and virtual water	Water and gender
Water and health	Water and the arts
OUR WATER SYSTEMS	WATER AND THE PLANET
Who manages our waters?	Water and climate
Water and Agriculture	Water and biodiversity
Wastewater	Ocean systems
Water and energy	Water and what I can do
Water and disasters	

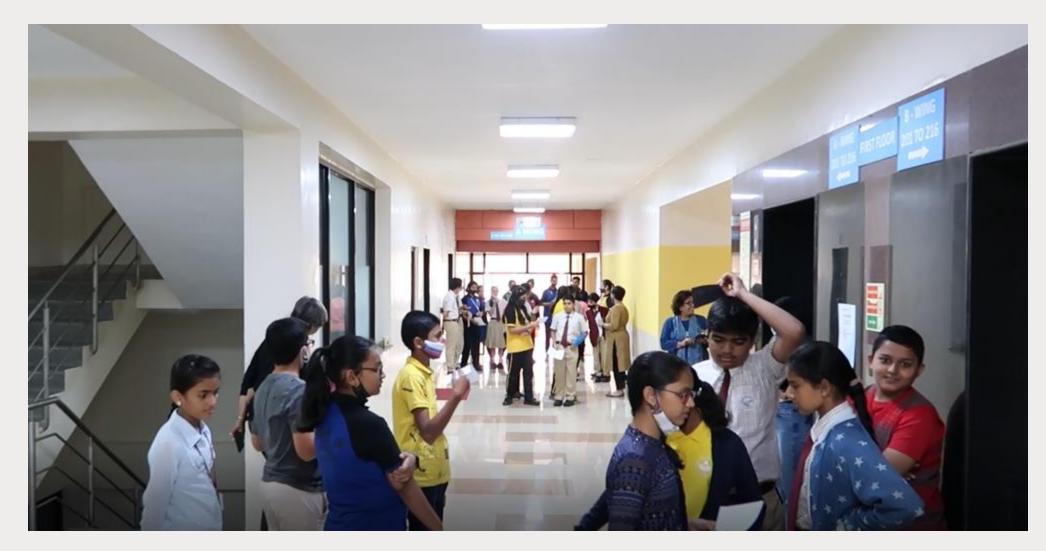
www.waterclassrooms.in

Our Process

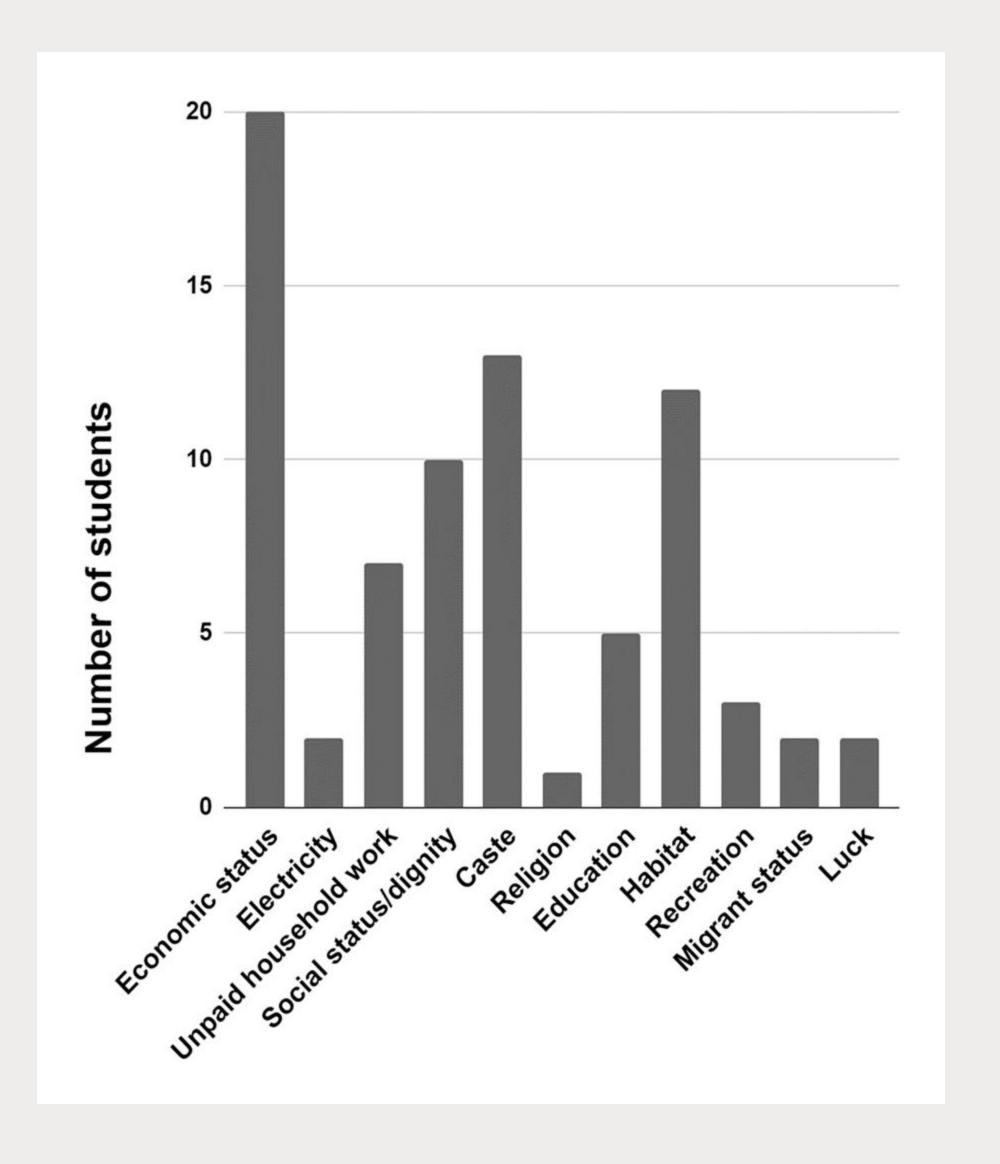
- Content development: collaborative
- Educators, NGOs, subject matter experts, research students, designers, artists
- Research / learning outcomes / lesson plans / facilitator's notes / activities
- Peer review: interactive, innovative, inclusive (equity, gender, discrimination)
- Workshops with middle school children in Pune from diverse backgrounds - testing
- Evaluation and feedback: students, faculty
- Exhibition on learning outcomes through the arts



Water and Access: The Privilege Game

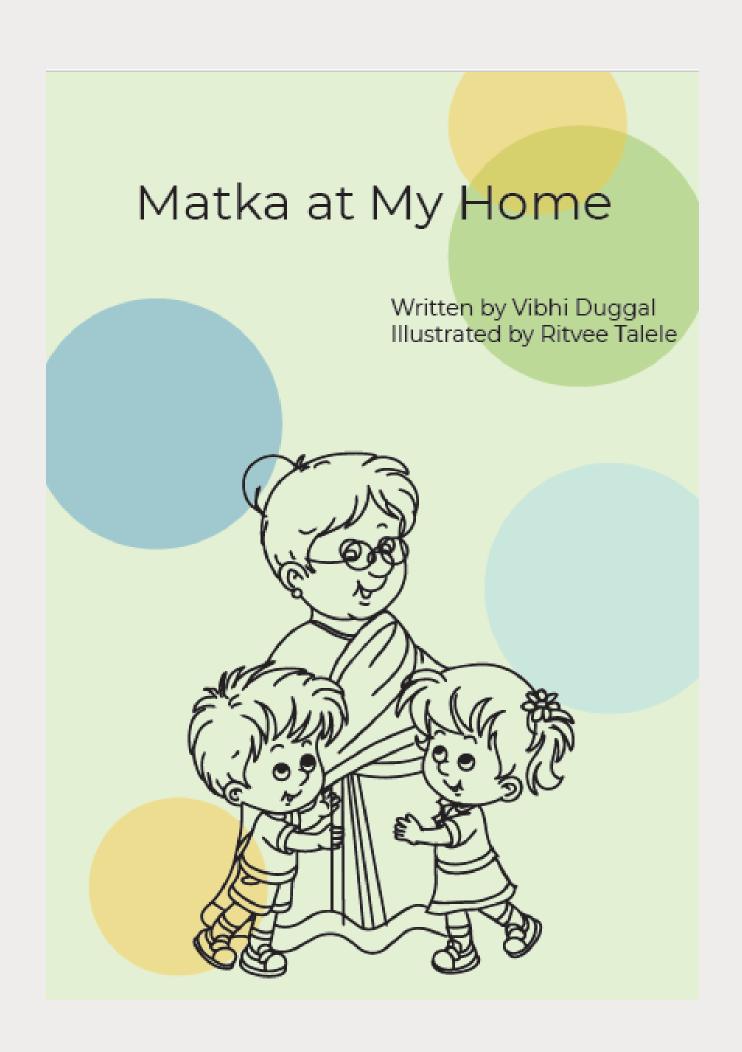






Shared Waters

Water and What I Can Do

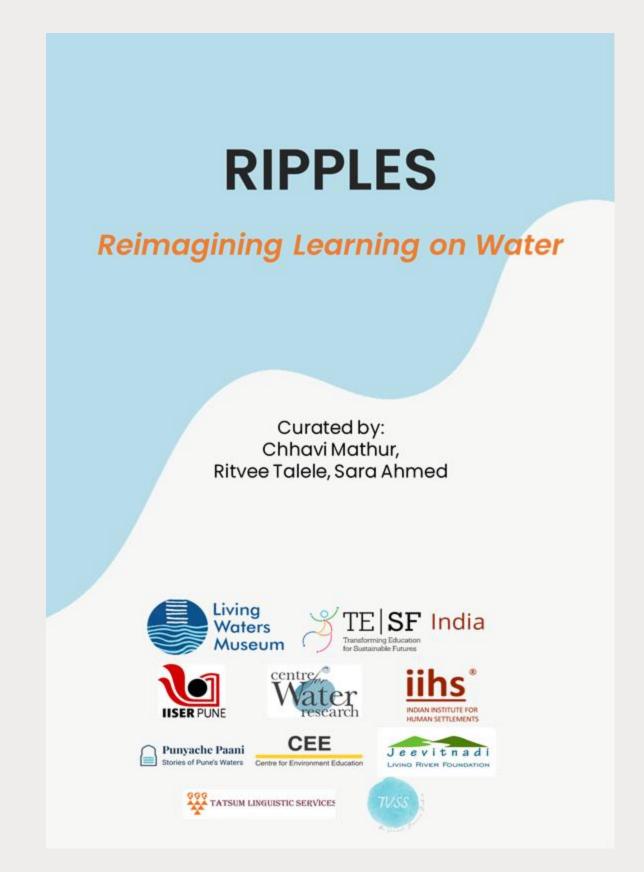


Knowledge of the traditional and the modern can help pave the way for the sustainable: cross-generational and cross-cultural communication.

Water and the Planet

Teaching Plans

Water and the Self ~ visual, inquiry-based Shared Waters ~ interactive, experiential Our Water Systems ~ interdisciplinary Water and the Planet ~ systems thinking



Skills/competencies

- Observing the world around us
 - Multiple perspectives
 - Working in groups
 - Negotiation

version 1 tested under revision

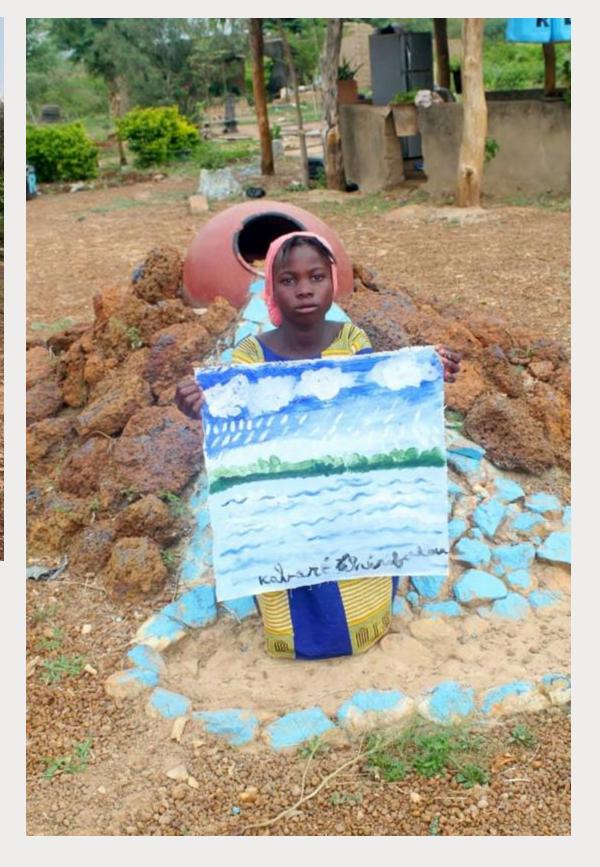
AQUAMUSE: Museum-Making through Education and the Arts







Pilot-testing of teaching plans on Water Management and Water Cycle through storytelling and art activities. Online writing workshops: gender, sanitation, climate change







AQUAMUSE: Water-Culture-Society Course

- Online course being developed by IHE-Delft, IISER-Pune and IIT-Kharagpur for water professionals, curators, educators, researchers
- Modules on peace, media, fluid landscapes, women's voices, the arts
- 5-6 weeks, self-learning, video based, case studies, self-assessment
- Learning objective: critical skills to understand water values, listen to indigenous and marginalized voices and bring culture and creative approaches into the discourse on IWRM





Connect with Us

Feel free to reach out to us for more information or to collaborate with us.

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