

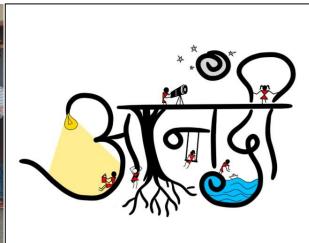
#### Education in Tribal Regions of Maharashtra

**Started in August 2021** 

**Started in March 2021** 

**Starting soon** 







**CReST** 

Culturally Responsive Teaching Work with teachers VIII-X

6 Schools involved

Anandi

Science Communication For School Students VIII-X

6400 students from 60 schools

PhyLab

Physics Laboratory Development For XI-XII Students

### **CReST:** Culturally **Re**sponsive **S**cience **T**eaching



**Onsite:** Interacting with school authorities, teachers and students. January 2023 field visit: Interacted with 40+teachers from 6 schools

Understand the pre and post pandemic challenges.

'Students do not have the experience the textbooks assume, while their own experiential capital is not acknowledged'

- Asmita Redij et. al. - episteme 9, (2022).

Forming cohort of Teachers and Researchers to address this gap.

- Create sensitivity among teachers
- Development of Teaching Modules

## Anandi: Science Communication



**First issue of Anandi, May 2021**Printed-Packed-Posted from Alibag amidst the deadly lockdown.

"My goal was to complete graduation after completing 10th from present school.
But all my dreams seemed to have shattered."

Student's response July 2021

To reach the unreached,

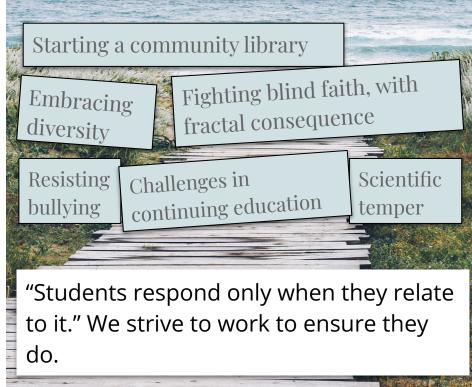
'Turned to paper newsLETTER'

To reduce the burden on the parent, provide diverse means of communication for teachers, keep students connected to school. To complement the efforts by schools

First generation school goers lack a conducive atmosphere at home, face imposter syndrome early age. A small failure can knock them down.

Anandi is a place to **practice** the outcome of education research carried out at HBCSE. While building inclusive resources.

Each editorial based on a story from my field visits and interaction with students. Though based on real concerns, for now it has a fictional solution.





We were racing back to school from her family owned stall, half an hour late,

"We have to think of both the studies and stomach."



# PhysLab: Experiential Learning

**Coming Next** 



**Designing Physics Experiments. Class XI-XII** 

Experiments/Practicals are integral part of Science Learning

As we go to higher education. Not every experience needed for a science classroom be had in the surrounding world.

'Students have not seen Lens/prism, circuits'

Experiment are done in last month b4 exams.

Developing a laboratory with frugal resources is a challenge to teachers/college professors.

# Collaborative work is a key to address big challenges. Then why do we fail??

We cannot teach in school what we have not practiced in workplace.

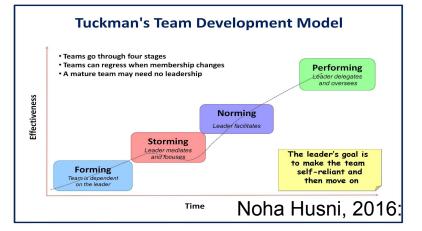
Reflection
Collaborative
Work/Education

We cannot practice at workplace what we have not learnt in school

Role on women in building safe space for women and for all.

'What are the hurdles?

Opportunism vs Leadership



#### Acknowledgements

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- School Administration
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