

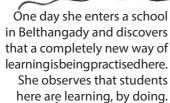
## INNOVATION BOOK

Illustrations: Abraham Jacob Stories and storyboarding: Yashna Jhamb



An education reporter visits schools in Karnataka to evaluate and write about various learning styles followed by the institutions.

She visits many schools and notices that in almost all of them, a common methodology and trend is followed with respect to the process of imparting education.

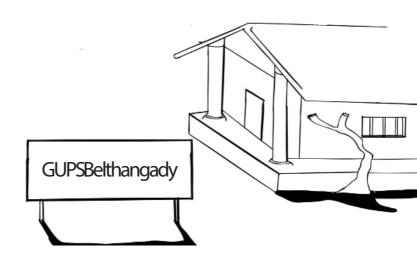




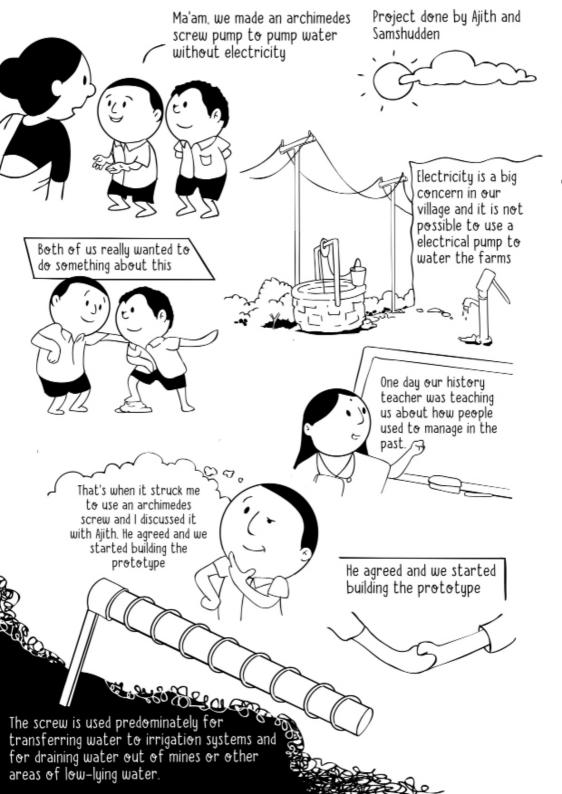
So she decides that instead of asking the teachers about the students and how they perform in class, she directlytalkstothechildrenandfinds out what they have done in their school and village.







And the children start presenting..











**Archimedes Screw** 



Clothes Shelf

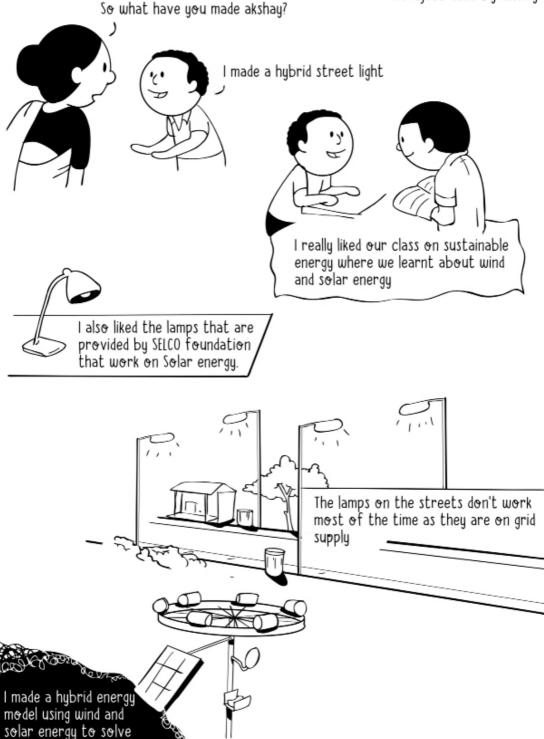


Boom Spray





Tyre Seat



the problem.







Laptop Fan



Hybrid Street Light



Hybrid Street Light



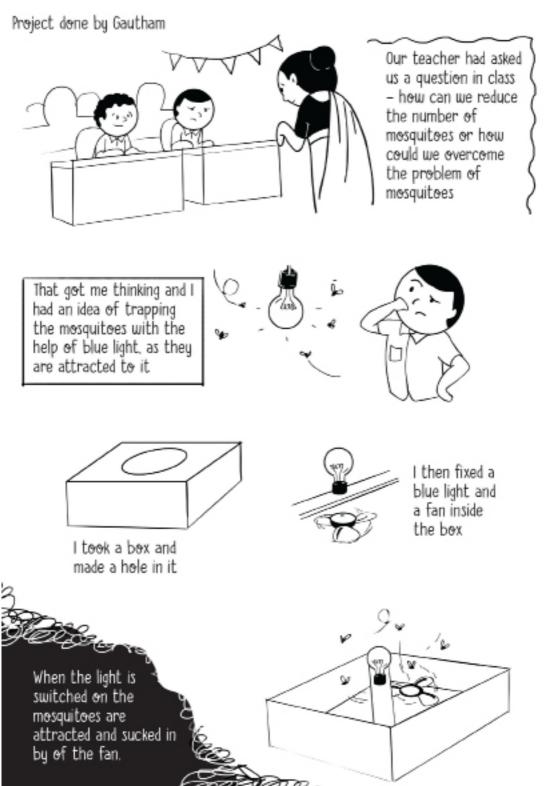
Mid-daymealtrolley



Life Jacket



Mid-daymealtrolley





What have you done? i heard you did something for the village farmers?



That's right ma'am! in our agriculture class, we spoke to the farmers and they shared their problems

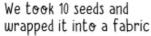
We have very abrupt growth patterns. The crop does not have proper yield irrespective of timely rain

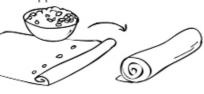






We discussed with our teacher and she suggested us to do a seed quality test





We then kept it soaked in water for 20 days and saw which ones germinated the most. This determined the seed quality for all seeds





Mosquito trapper





Seedqualitytesting



Solution to make school bags lighter

A Project done by Akshay Nireeksha varnashri nayana and varun









Jewelerystand



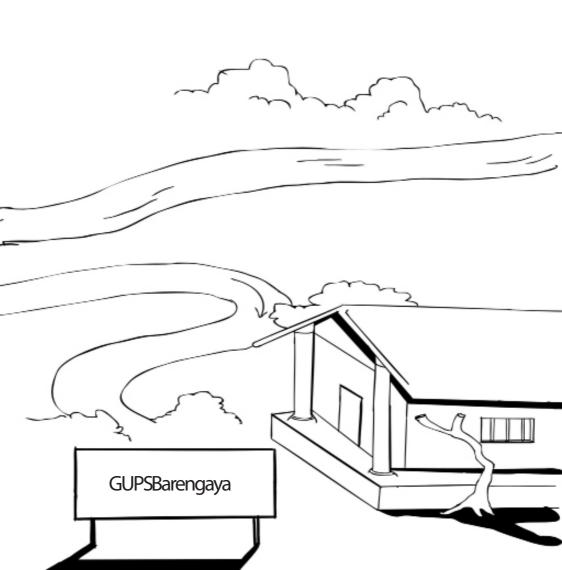
 $Innovative\,gas\,stove$ 



Water Filter using Morning as eeds



At Belthangady, she finds out about the different schools that are running the Invention Education Program and decides to visit all of them.











**Book Shelf** 

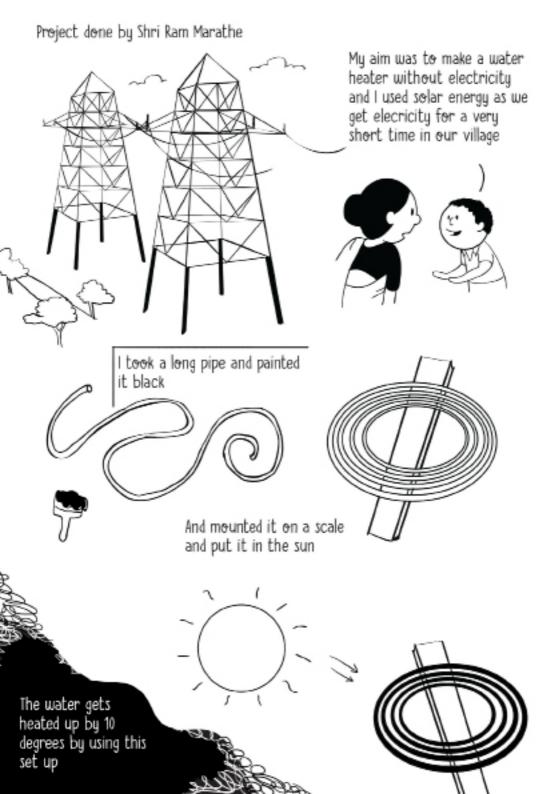




Areca de-husker



Hot box









Solar Water Heater

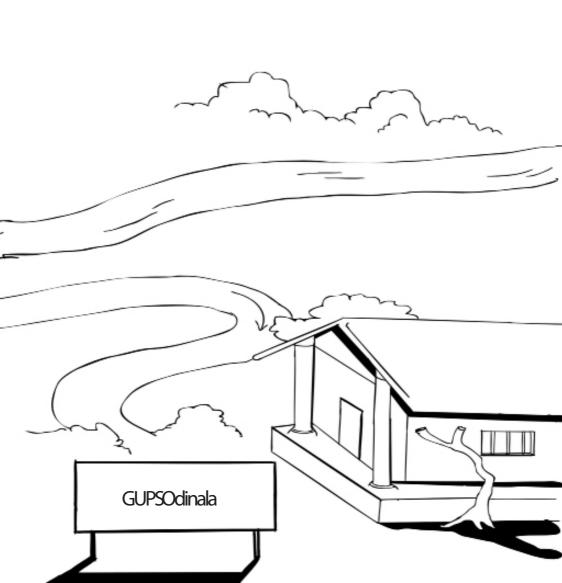


Plastic Bottle Rope



RAM pump















InnovativeUmbrella



Blower for gas stove



Innovative Guntos care wild an imals



GardenPloughingmachine



The water obtained is completely clean and distilled



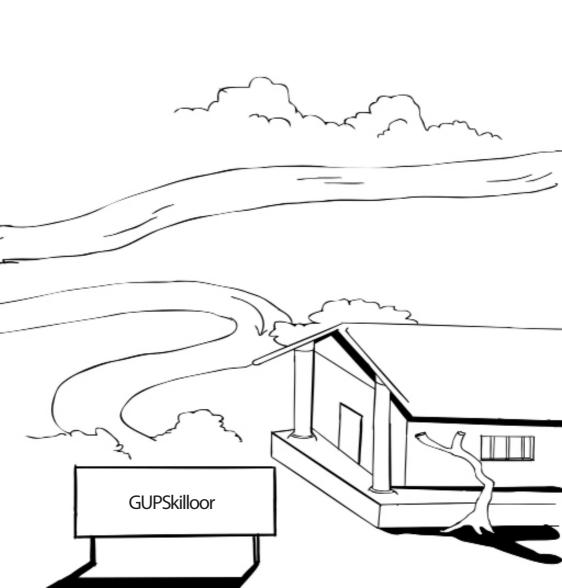


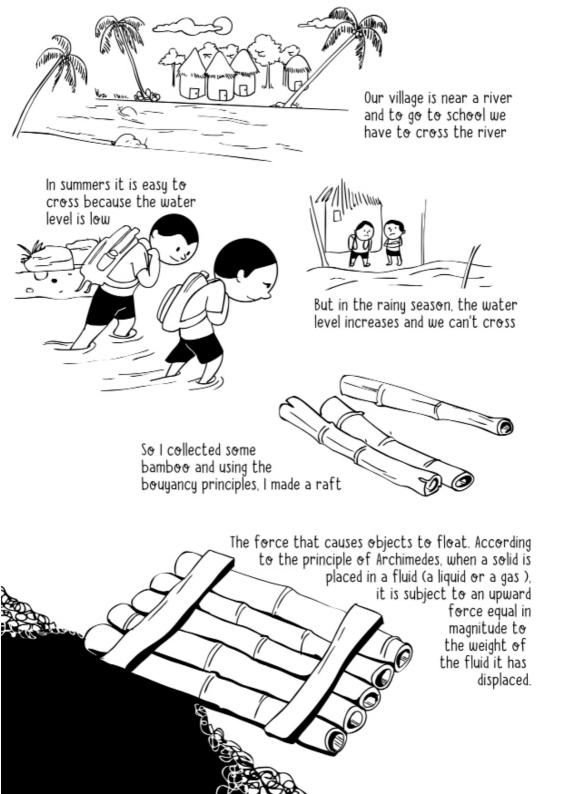
Solar Water Distiller



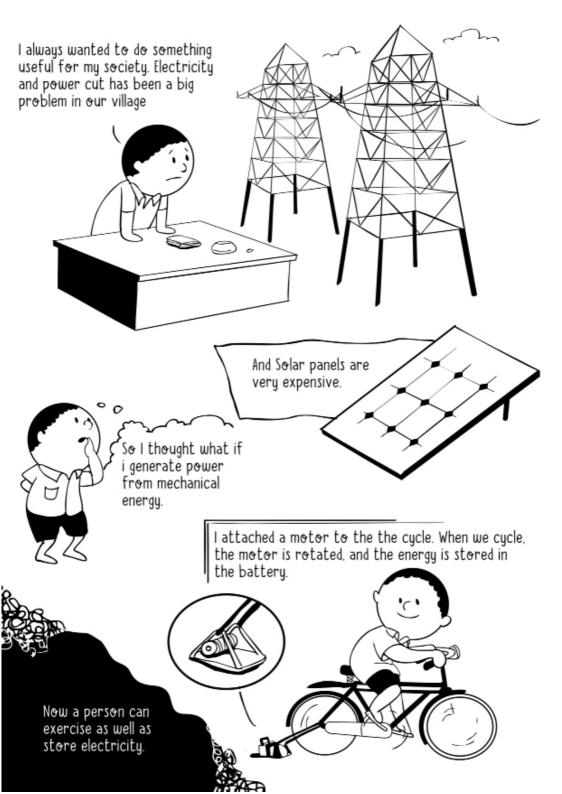
**Butter Churner** 

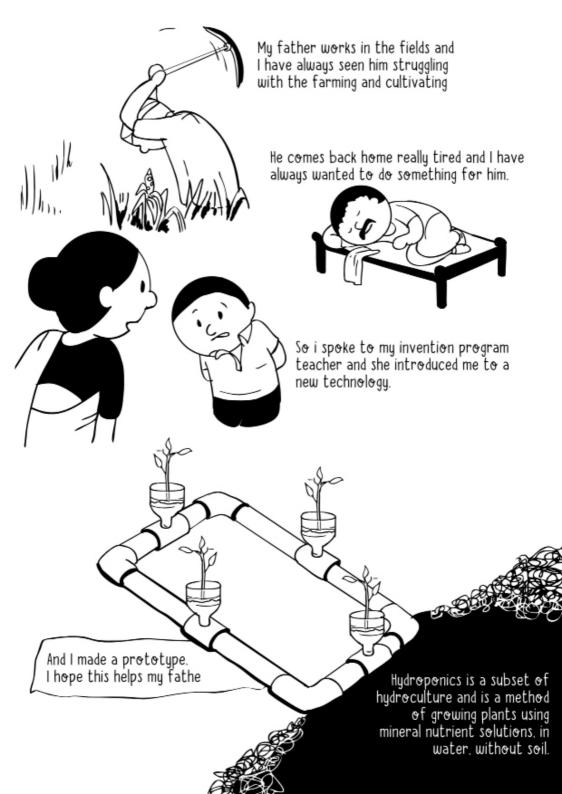
















Bamboo raft



Current generating Cycle



Bamboo Speakers

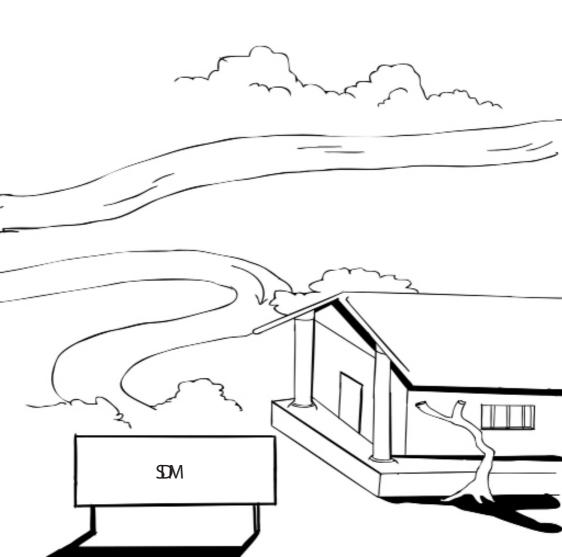


Hydrophonics



**PCB Drill** 











out the water from the lake



Acccidentavoider



WaterLevelIndicator



Security System

Water Pump



Project done by Nishan.K





A teacher from Augustya foundation comes to our class once a week to teach us principles of science.

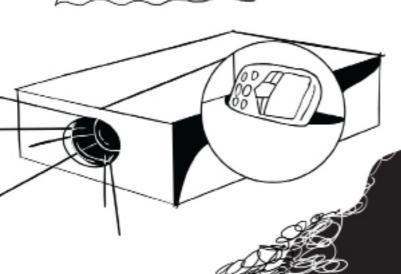
We all get veryexcited as he uses a projector to teach us.



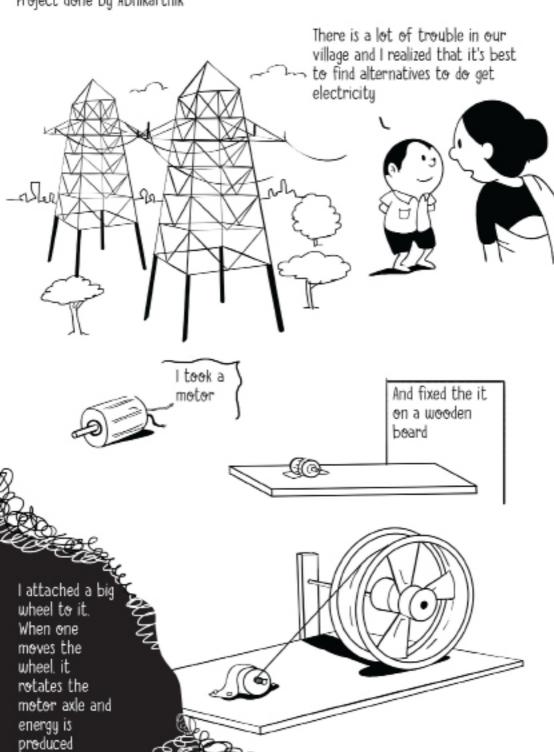


Some days back he taught us about lenses and the converging and diverging principles of lenses





Using that principle I made a projector that can project a mobile phone screen on a wall







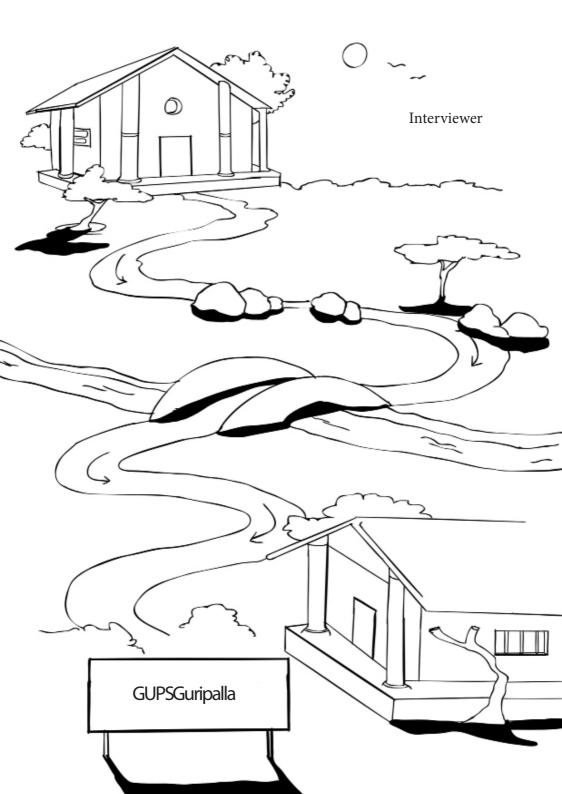
Projector



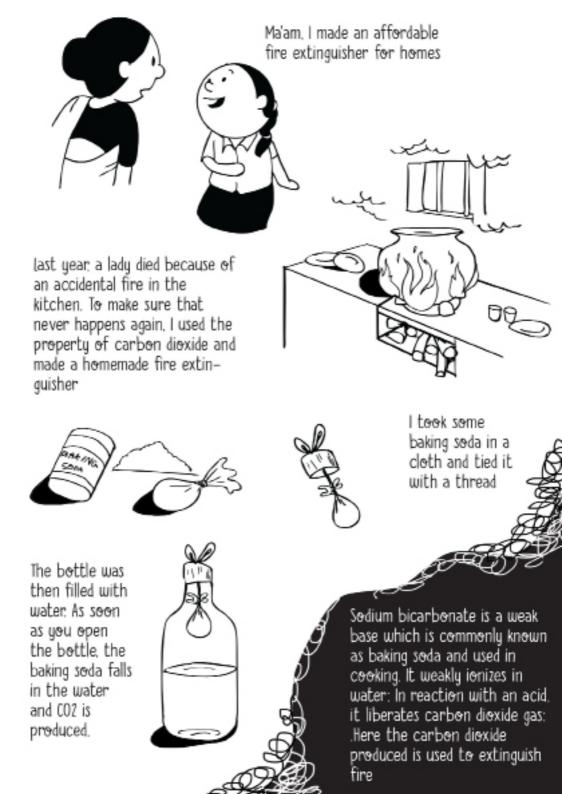
WaterLevelIndicator

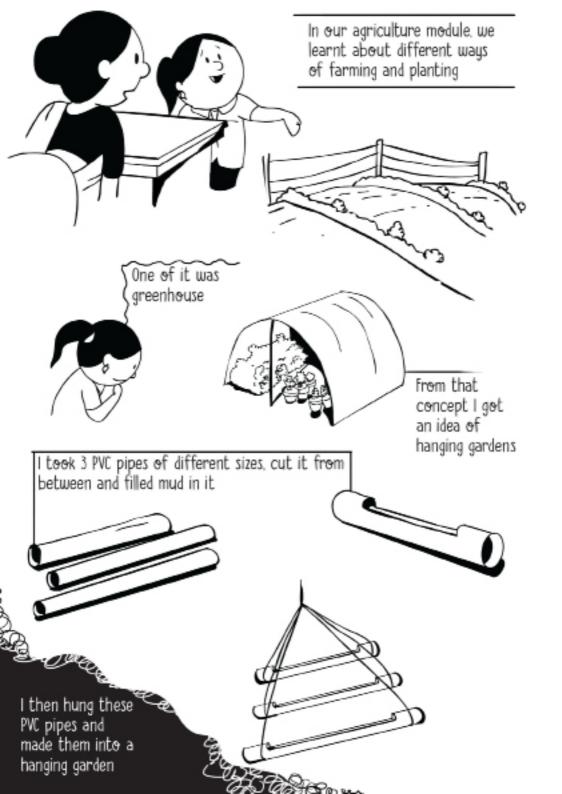


Conversion of mechanical energy to electrical energy















FireExtinguisher



Grass Cutting Machine



Hanging Gardens

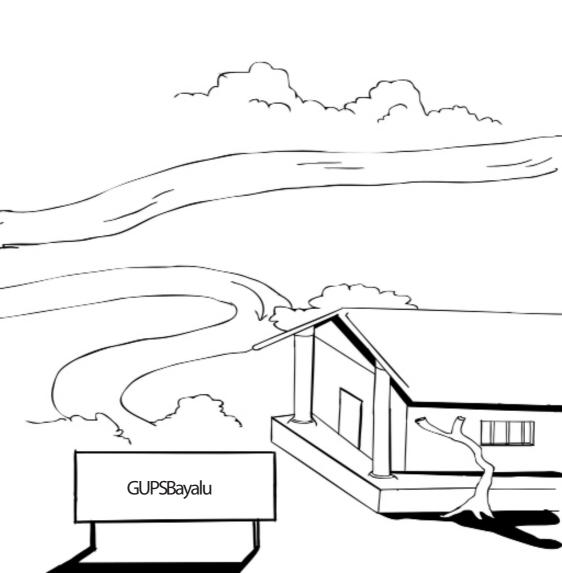


WaterfilterationPot

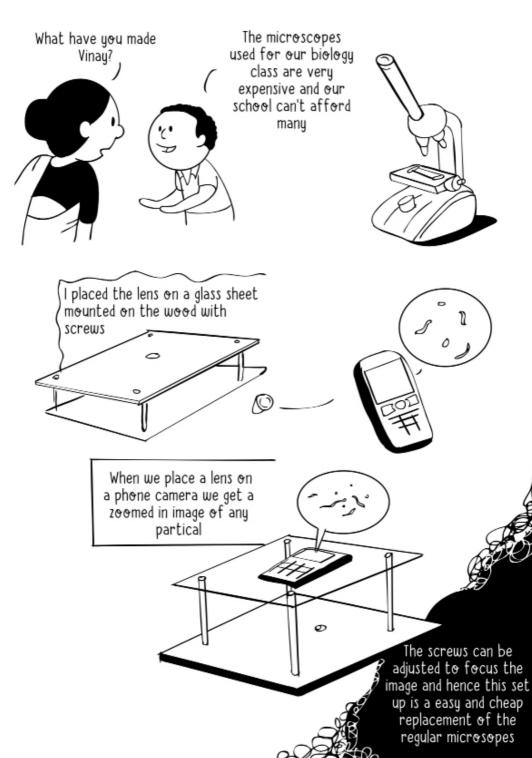


Light Bulb Protector











Ma'am our friends are at GUPS Thotathady school and they told us about the awareness programs happening in their school







Digital Microscope



Decorative items

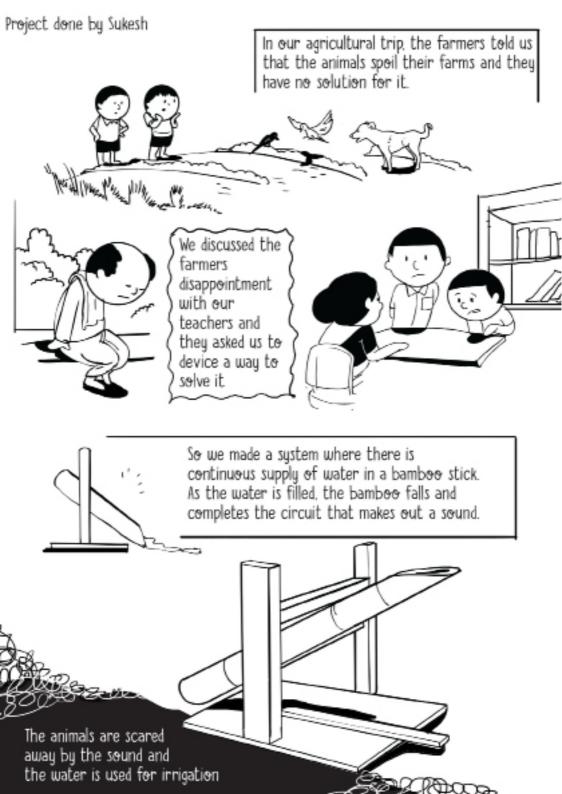






Water Turbine















Bamboolifterforborewell





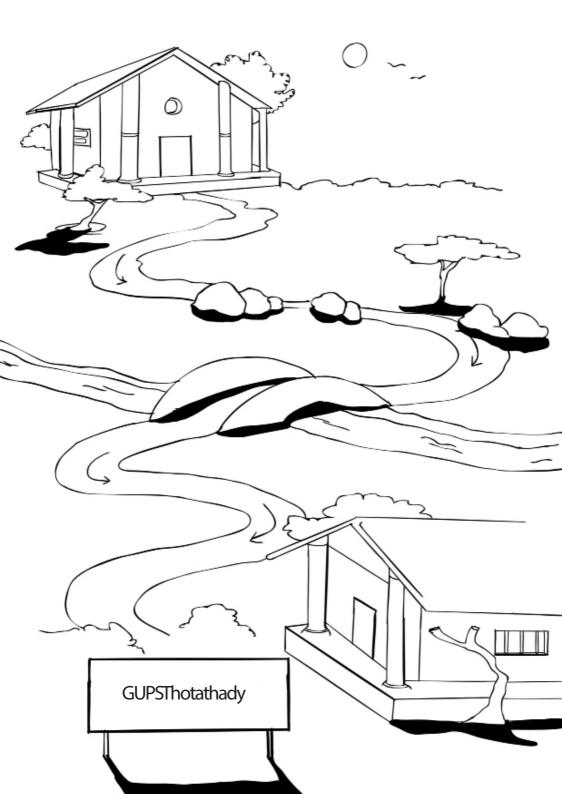
Remote control well operator



Umbrella with torch



Rainwatermeasuringdevice













Health By Hypene

Plasticbottledustbin

Healthawareness

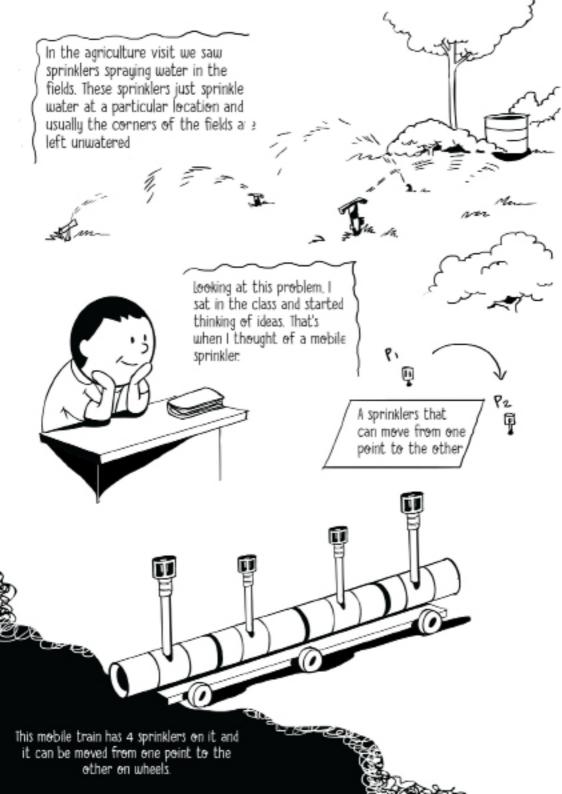




Boat

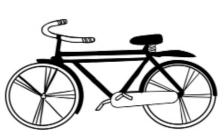
Hanginggardens







In the agriculture module, I saw the videos on how people have fixed their problems without electricty and it inspired me to innovate something with the resources I had.







So I took my old cycle and attached a motor to it. This motor pumped water from the water bodies



When we cycle, the axle of the motor is rotated and it can pump out water from the source



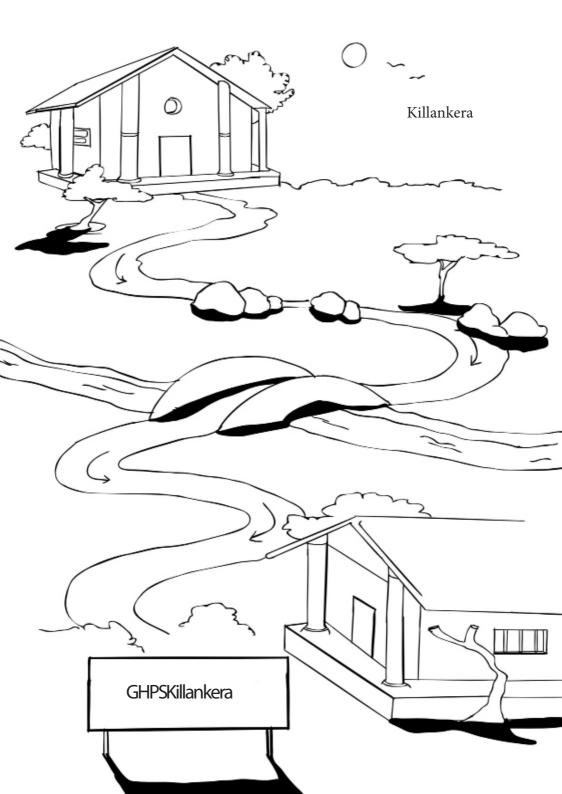
Soil Erosion



Portable sprinkler



Cycle producing electricity













Hanginggardens



Waytoscarewildanimals



DIY Washing Machine



Mouse trapper



worktable



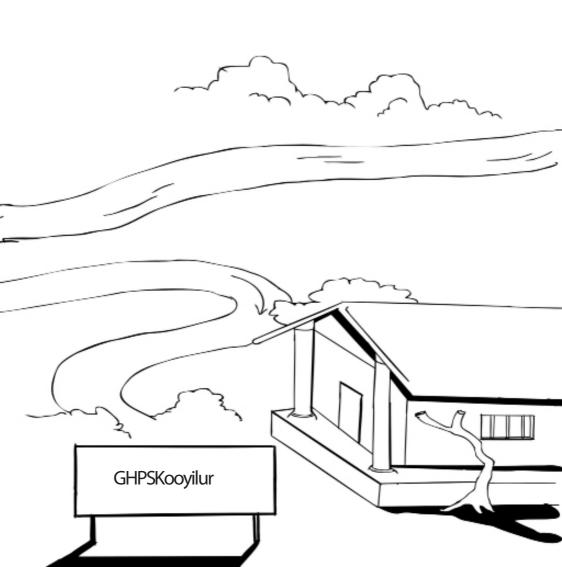


Decorativepaperproducts



Cheap airconditioner









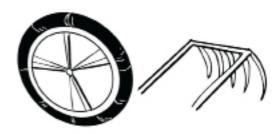
I later found out that he got busy with ploughing the fields and it took him the enitre day to do it. I was sitting with my friends and waiting for my uncle who was supposed to meet and talk about farming. We waited the whole day but he didn't come.





we went to our teacher and he asked us to use the SCAMPER tool to come up with

a solution

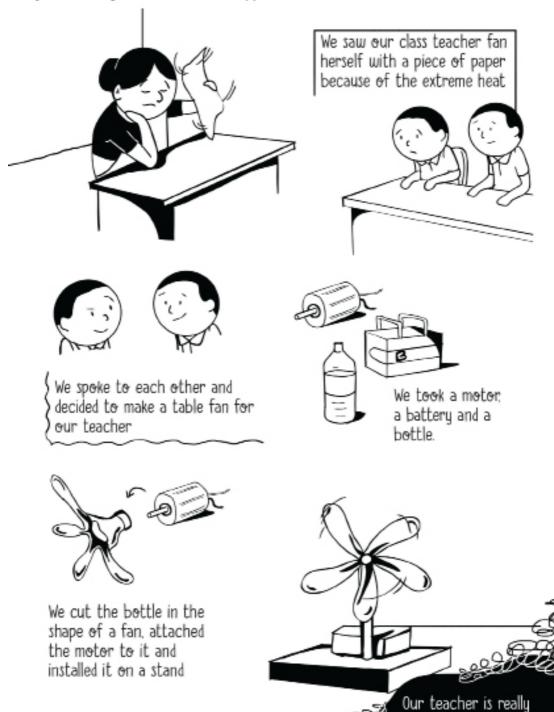


finally, I took a cycle wheel and welded a fork like structure to plough the fields



I welded the the two together to make a ploughing machine





happy now and uses this

fan on the table





Protectingcropsfrombirds



Garden Plough



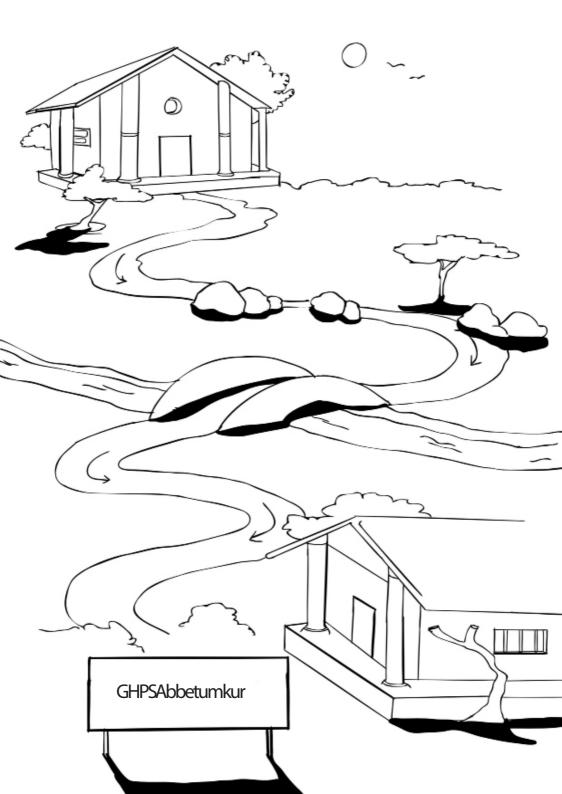
Protecting crops at night



Table fan

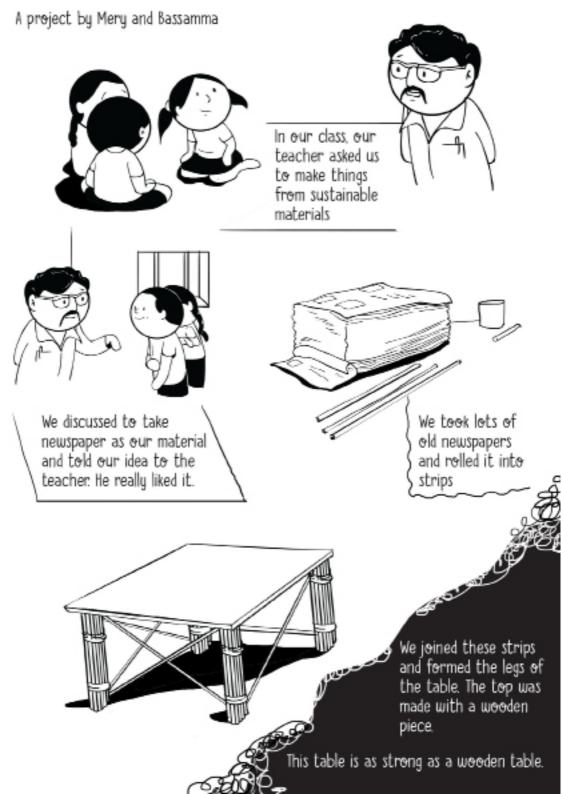


Rubberbandcar











Light mechanism for patrahouses



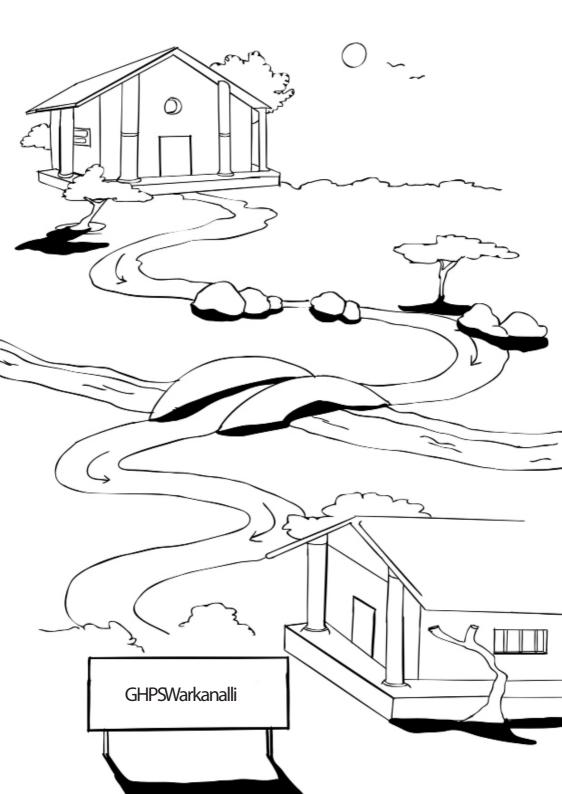
CheapRefrigerator



Mosquito trapper



Paper table





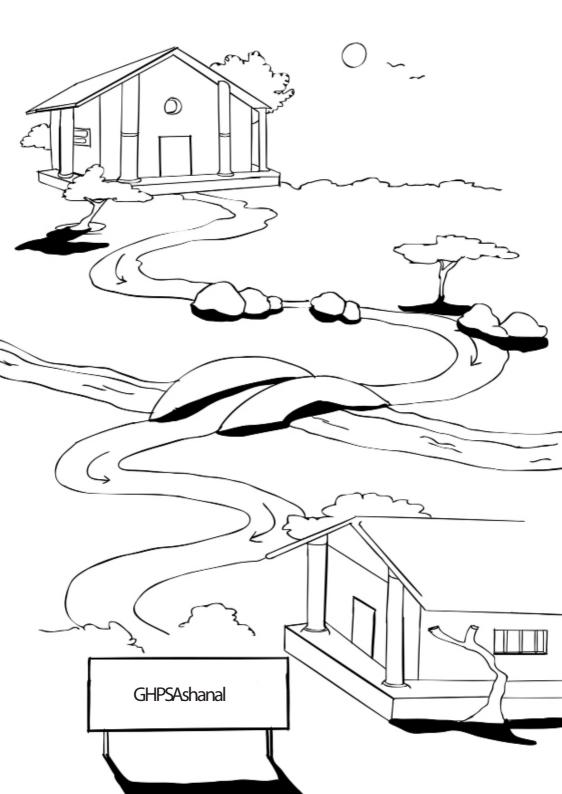




Mangoremovingnet



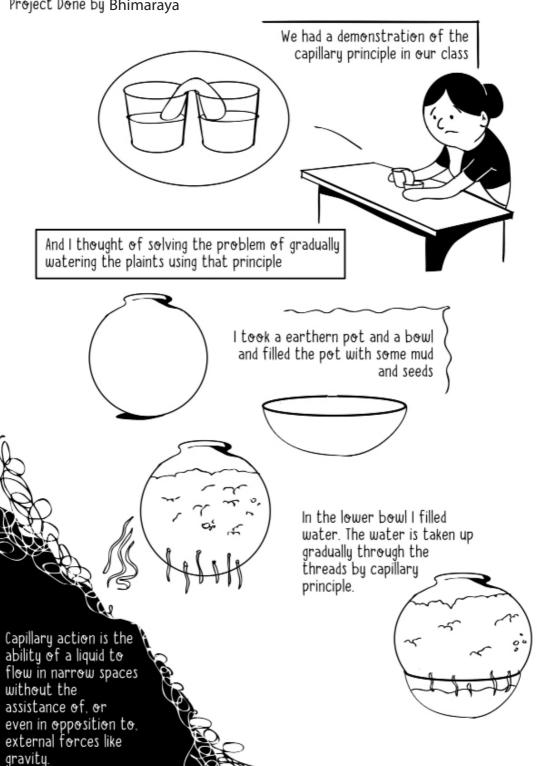
Multi-utilityFloorcleaningdevice







We can
now fill the
water once a day
and the plants can
be watered gradually
throughout the day





GrasscuttingMachine

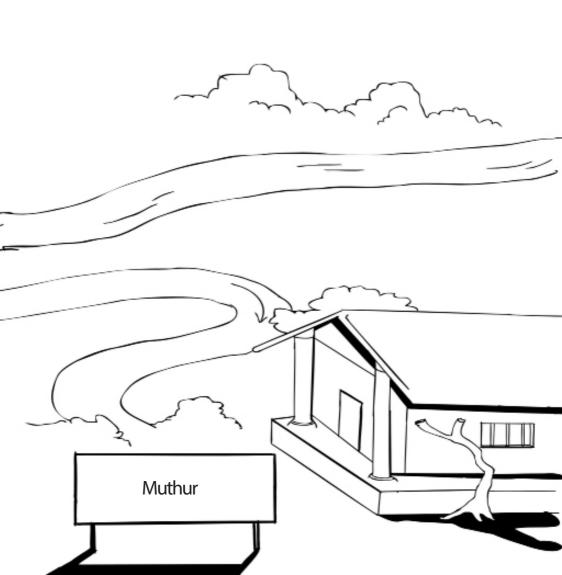


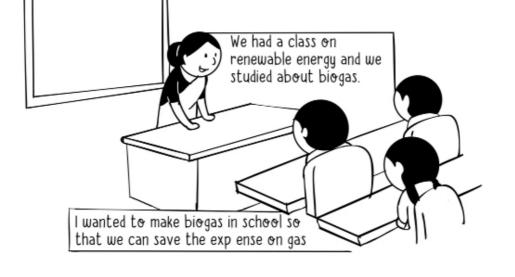
Slow watering plants using plastic bottle



plantwateringusingcapillaryaction









After a week, the drum produces methane gas. I transfered the methane to the kitchen through a pipe



on a daily basis.







 $Biogas\, making$ 



Reusingwater



Understanding the clean and dirty habit at





Brickmaking









 $Iron \, rich \, plants$ 



Water cycle



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