



Design Challenge

Your project should:

- Be cheap to build
- Use local materials
- Be reusable or sustainable
- Be strong and unlikely to break
- Be easy to build and use



Ana

Ana collects water for her family every day from a river.

The river is dirty because
the farmers take their cattle there.

Design something to keep the cows out of the river but
still lets the cows drink the river water.



Hector

Hector's family gets sick when they drink water from the village well. His village gets a lot of rain, which washes poop into the well.

Design something to collect rainwater for drinking.



Sanjay

Sanjay's family get sick because they do not have running water to wash their hands. They keep water in buckets in their home but have no taps.

Design something to help wash hands with clean running water and soap.

Assume this family has no piped water.



Fatima

Fatima lives in a place where she has to walk long distances to collect heavy buckets of water for her family.

Design something to make it easier for Fatima to carry water home from a far-away water source.

