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Our Issue

— [There is a lack of clean water in impoverished and rural areas globally.

— [For many people, the nearest accessible water is miles away on foot. For some, these water sources do not provide clean water.

— [Dirty water causes waterborne illnesses, which are very difficult to cure without extensive healthcare.

Our Process

Idea 1: Playground to pump water from underground reserves for immediate use.

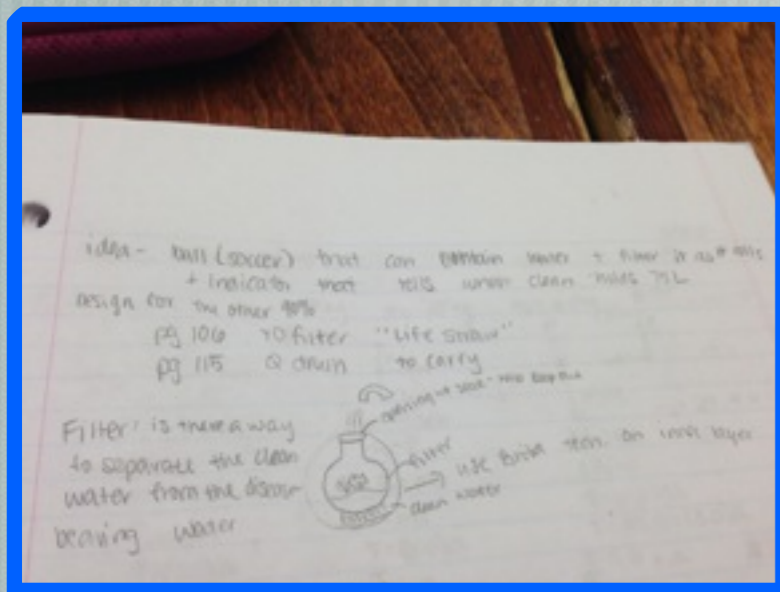
Idea 2: Playground that would pump water from underground reserves, but store it indefinitely.



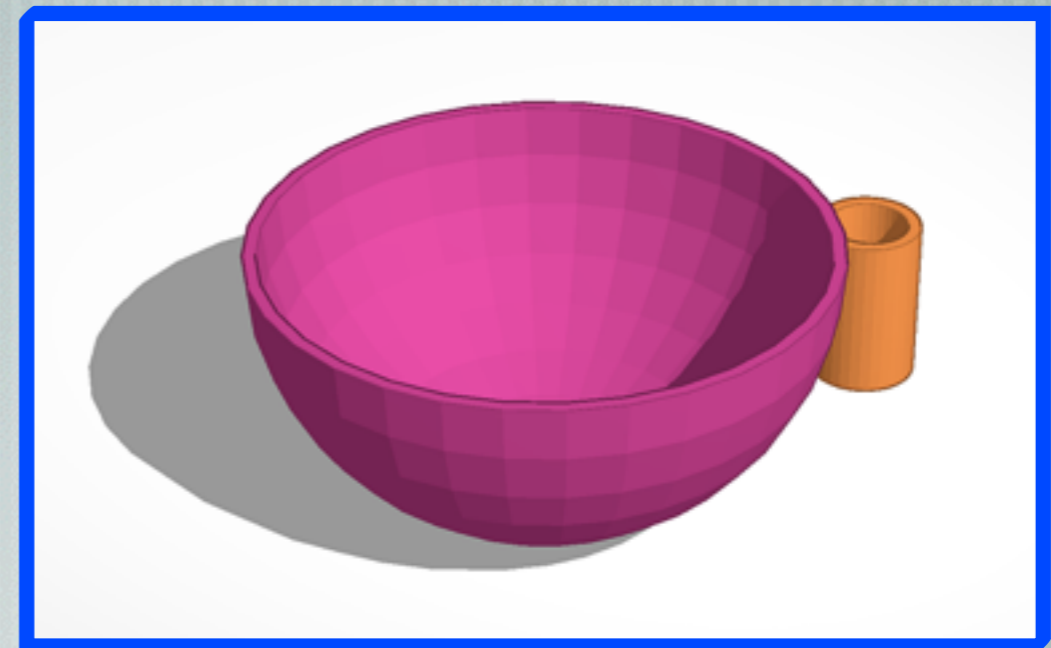
Our Solution

A ball that filters water as it is kicked.

This makes water safe to drink and easier to transport.



The plan for our final idea



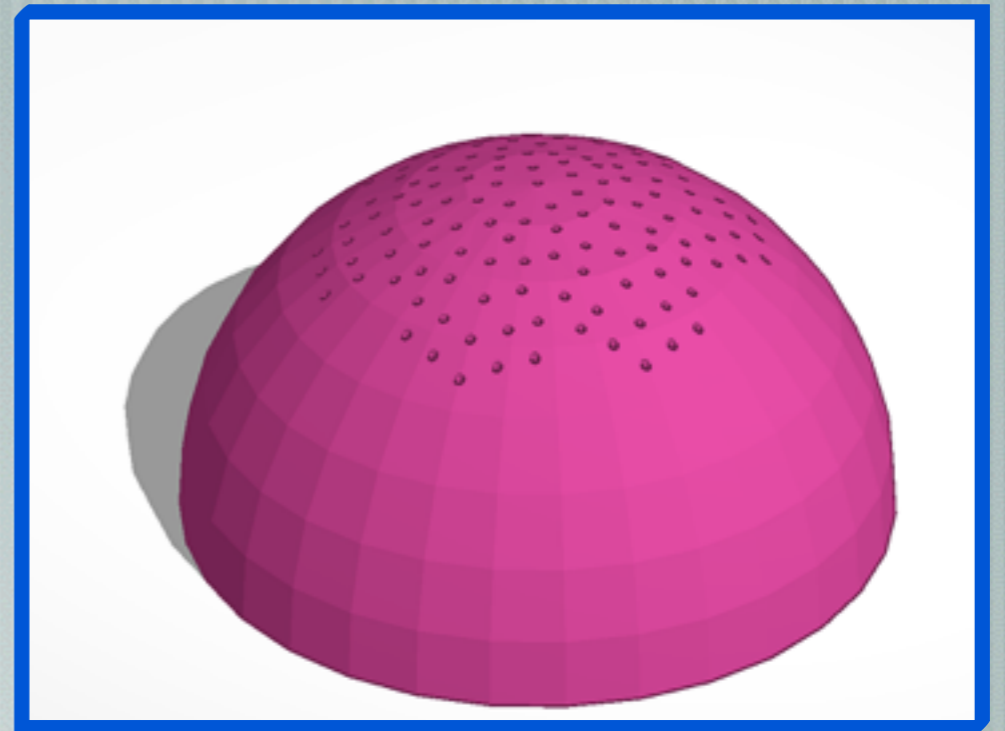
One of our Tinkercad designs

The Physics

— [The round shape of the ball

— [The force of the person's kick

— [Gravity



Bibliography

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[<http://www.inhabitots.com/play-pump-the-merry-go-round->

Thank you for watching!