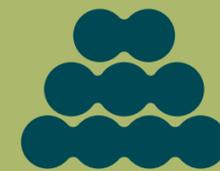
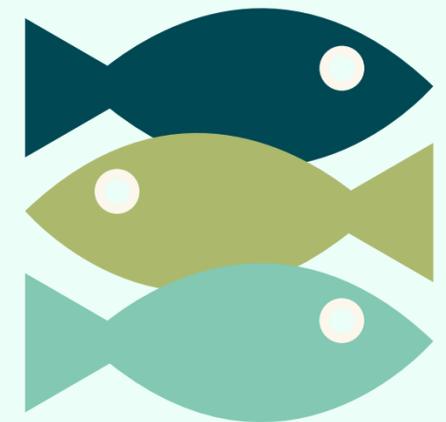


Water-Powered Ventilation System



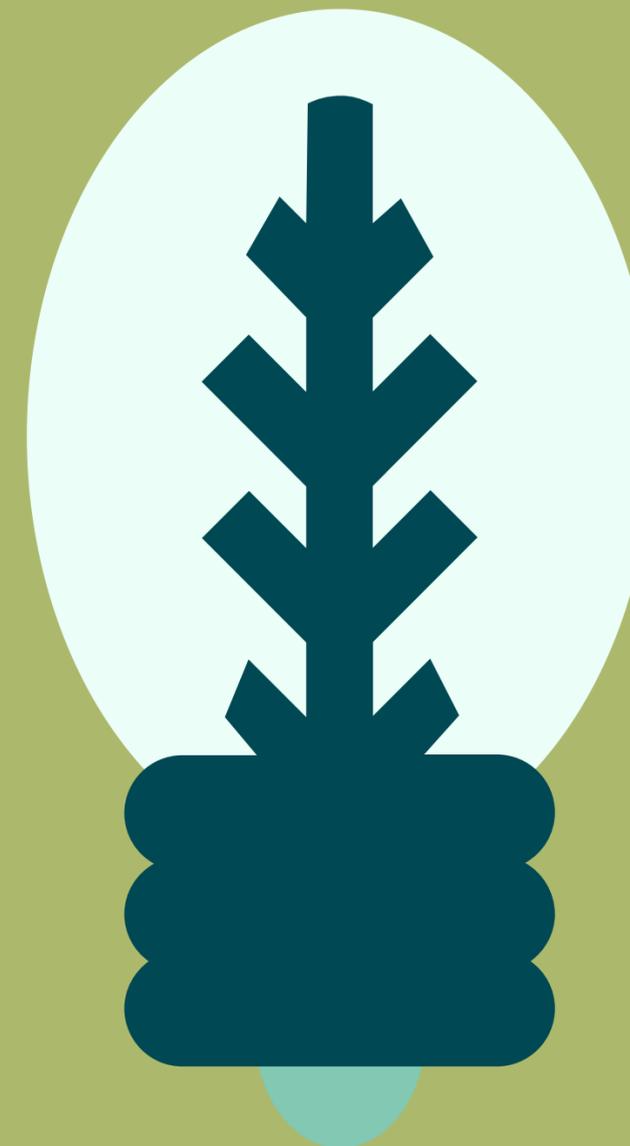
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INNOVATION
SHOWCASE
2025

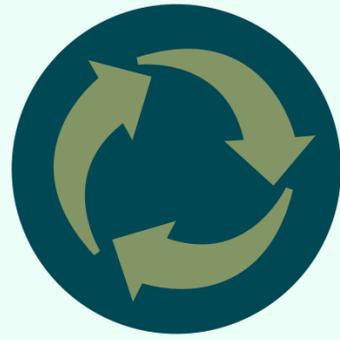


Overview

Improving the ventilation system of schools without the use of non-renewable energy and resources. As well as, creating a system that is sustainable.

[Renewable Energy-Powered Model School]





How was it approached?

- Accessibility
- Cost
- Sustainability
- Durability





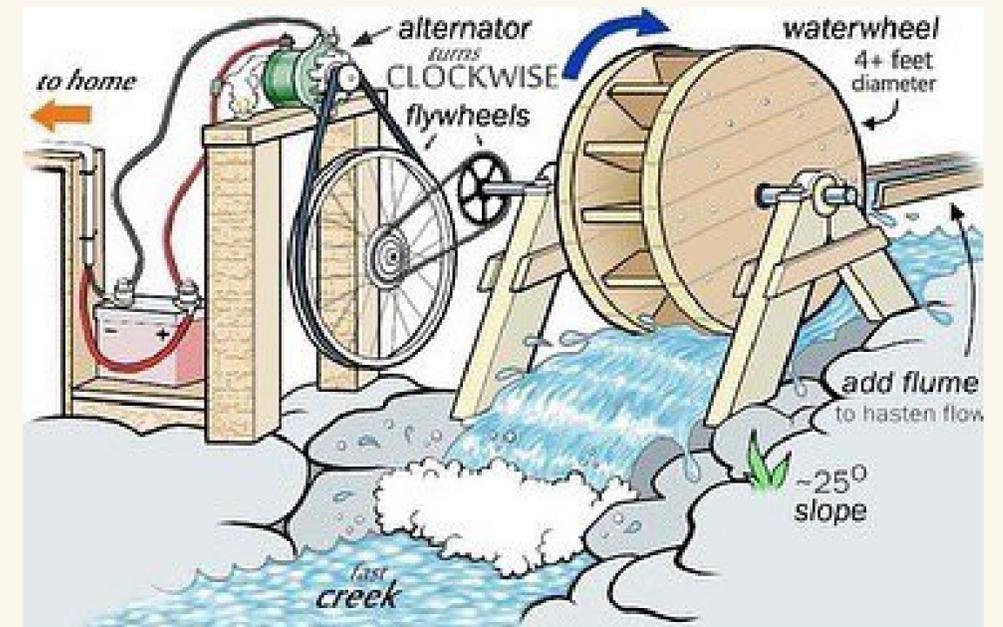
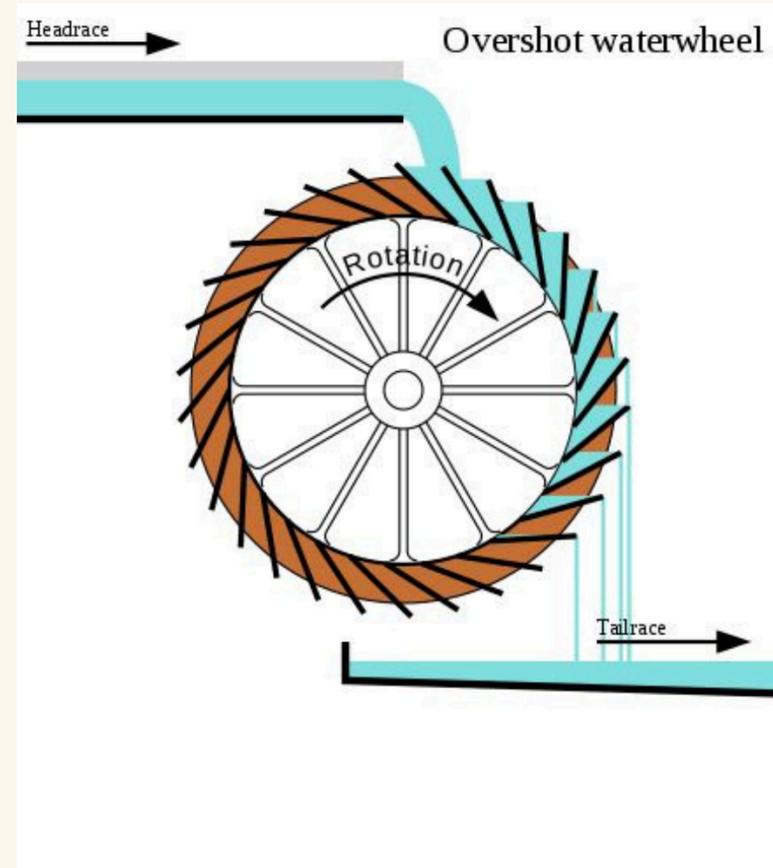


How does it work?



Improvements

- Shaft
- Generator Operation
- Electricity Transmission (such as wires)

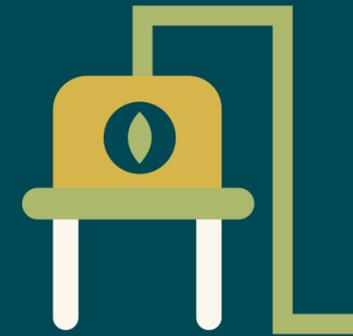


Benefits



Sustainable

- Uses the flow of water to create a ventilation system that entirely runs on mechanical energy.



Cost-Efficient (to a degree)

- There isn't any electricity usage, as well as little to no maintenance in order to keep the wheel moving.



Education

- Provides an opportunity for students to learn more about energy conversion and physics.



Improves Air Quality

- Creates an environment with quality air that would contribute to the students and children health.