



#4

Water Access



STANDARDS & CONNECTIONS: NGSS.3-5-ETS1, NGSS.MS-ETS1

BACKGROUND:

Water is critical to food production and human survival. In many developed countries, like the U.S. and Canada, they are fortunate enough to have access to clean water. However, not every person has the luxury of having clean, safe water nearby. In other parts of the world, women and girls are often responsible for collecting water with buckets, and can spend up to 6 hours every day collecting water.¹ There's an ongoing effort to build up the infrastructure to more easily transport water, but there is still much more work to be done.

SUGGESTED MATERIALS:

Water, straws, pipes, buckets



CREATE

Students will build a piping prototype that can transport water across a 10 ft distance.



TEST & IMPROVE

Students will test their prototype, seek areas of improvement and make changes where needed.



SHARE

Students will share what they've created and their lessons learned.



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 Research what efforts are being doing in poorer regions of the world to increase their capacity to have access to water.

¹ Water.org (n.d.). Water crisis - Learn about the global water crisis. Retrieved from: <https://water.org/our-impact/water-crisis/>

