

Summer School-Wide STEM Challenge 2017

Problem: Over 300 million people go without shoes everyday. This impacts their health, ability to get out and about as well as ability to get an education.

http://www.huffingtonpost.com/2014/01/21/man-barefoot-year_n_4640021.html



Help design a pair of shoes for feet in need.

Constraints:

- Must be made out of newspaper.
- You can only use 1 foot of tape.
- Shoes must be able to go on and off feet.
- **Shoes must be able to go up and down stairs.. (4 stairs)

Ask: How could you help those without shoes?

Imagine:

Plan: Design two different drawings of shoes that might be helpful to a person without them. Make sure to label them accordingly.

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Create: Engineer shoes based on your design plans. See how you can improve the shoes as you build. **Shoes must be able to go on and off feet. Shoes must be durable. (*Test out on 4 stairs...)**

Improve: How could you improve your shoes so they are more durable? How could your shoe fit a range of sizes for different feet?
