



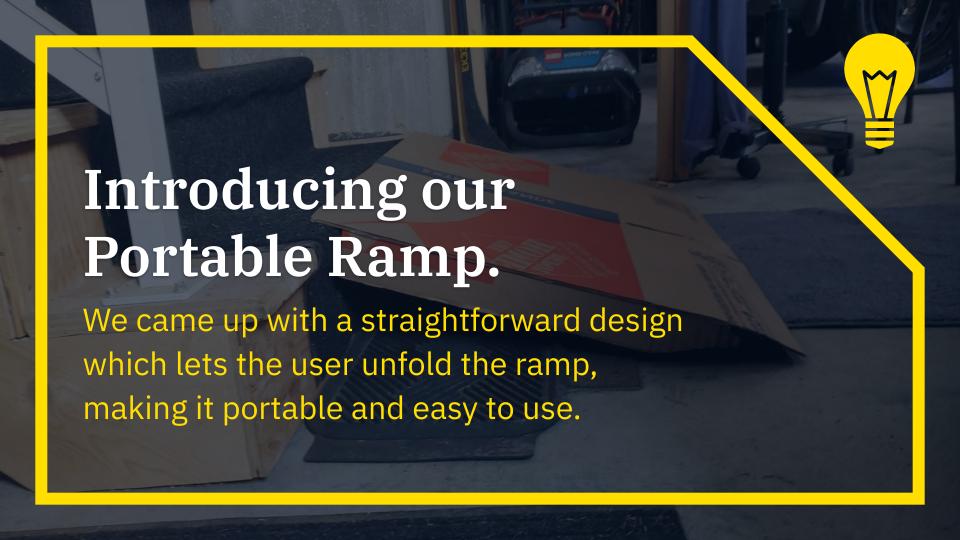
Canadians aged 15 years and over have a mobility disability. That's almost 10% of Canada's total population! [1]

[3]

Wheelchair Inaccessible Cities.

There are plenty of buildings and vehicles that don't have any ramp. That's the problem we solve by designing and constructing a portable, lightweight and easy to use ramp.





Some of the Features

- Foldable allowing the ramp to be stored easily
- Handlebars incorporated for comfortably carrying
- Can go to a wide range of heights depending on user

Our solution is a robust lightweight ramp that is portable and foldable, while also being cheap and accessible.



More Than Just a Ramp

Environment friendly

We built our design out of cardboard, which can be recycled very easily and can be used for other purposes. We also used a hot glue gun which is also safer for the environment compared to alternatives.

Safe for the users

We added structural supports all around the base with many strips of cardboard compiled together. We also rounded off the corners to ensure we only have smooth edges.





So Why is our Solution the Best?

Lightweight

Weighing just under **1kg**, everyone can carry it with just one hand.

Foldable

Design that can fit into small spaces for **easy storage**. Making this design portable allowing you to take it **anywhere**.

Robust

Reinforced contact points for added support. It **can take** easily even more than **20kg**.

Environment friendly

Made out of cardboard to make it **highly recyclable**. Glued with a hot glue gun which is much safer for the environment.

Safe for the user

Tested in multiple situations to ensure that it is **safe** to use for the average user on **different heights**.

LESS THAN \$15!!!

Up to **20x cheaper** than other aluminum alternatives. We offer the best **price-quality** relationship.



- 1. S. Morris, G. Fawcett, L. Brisebois, and J. Hughes, "A demographic, employment and income profile of Canadians with disabilities aged 15 years and over, 2017.," Canadian Survey on Disability Reports, 28-Nov-2018. [Online]. Available: https://www150.statcan.gc.ca/n1/pub/89-654-x/89-654-x2018002-eng.htm. [Accessed: 17-Oct-2020].
- 2. S. Kennedy, The Bullitt Center features the "irresistible stairway," glass-enclosed stairs with panoramic views to entice people to climb. The New York Times, 2013.
- 3. Azamara, 2020. Https://Www.Azamara.Com/Sites/Default/Files/Heros/Mobility-Disabilities_4.Jpg. [image].
- 4. Mobilitywithlove, 2019.
- 5. T. Kitchen, 2020.
- 6. A. Leary, 2019.