

Lesson Title: **Ramp It Up!**

Lesson Topic: Building and Design

Curricular Integration: [STEM](#), [Learning skills](#)

Minds On

Build it and they will come!

Guided Inquiry

How might you engage the community in the final stages of the project?

How do you think the community will react to the new ramps?

How will you let people know that five local businesses will now have accessible entryways?

Brainstorm ways to advertise the deployment of the ramps to the community.

Working On It

Apply the remaining parts and finishing touches to the ramp

From Stopgap.ca you will receive:

- 5 ramps in their raw, unpainted form
- all required paint
- paint brushes and rollers
- rope handles (X10)
- furniture glides (X40)
- spray paint
- STOPGAP.CA stencil
- school logo stencil

Develop co-operative learning centres:

- Using the instructions (see resource section), add the finishing touches to the ramp
- Create a cheer that can be sung/chanted during the delivery of the ramps
- Make T-shirts, signs or banners that can be worn or held during the delivery; designs could feature school or StopGap branding, or accessibility wording/symbols
- Write a letter to a local media outlets and invite them to the delivery day
- Plan the best route, using a map, to the businesses you are delivering ramps to

Reflection/Application

Delivery Day!

How did this project make you feel?

What skills did you develop throughout this project?

What new understanding of accessibility have you found?

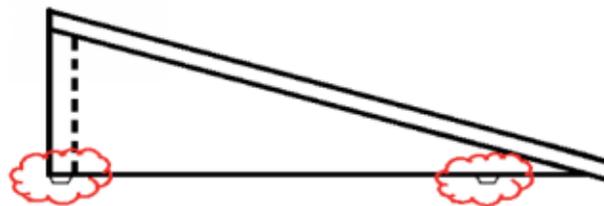
How do you plan to continue striving for better accessibility?

What is the next change you want to make?

Teacher Resources, Links and Extensions

Ho

Pair
coat
und
aloi



low first
if the
ers and

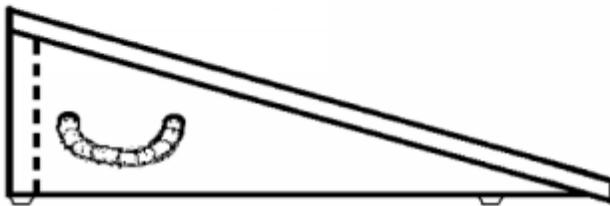
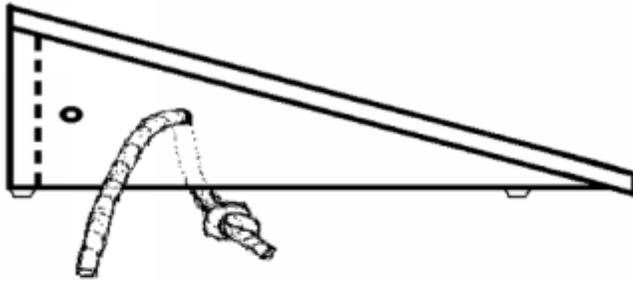
Spr

paint for the yellow ramps and always remember to shield the exposed ramp surfaces from over-spray using newspaper or plastic sheets. Ensure that you do all painting in a well ventilated area (free of blowing debris if painting outside).

ack spray

Add furniture glides (x4) - the ramps have been designed to accommodate furniture glides to elevate the ramp 1/4" off the sidewalk and keep the wood away from moisture. Install two glides per side in the locations shown in the diagram below, one at the curb end of the ramp and one closer to the front along the bottom edge of each side.

Install the handles - thread the ends of the rope through the holes on the sides and tie a simple knot on each end to hold the rope handles in place. There should be enough slack in the rope to allow lots of room for gripping the handle.



Tip: when delivering the ramps use wagons or some other wheeled cart or dolly to transport the ramps. Make a parade out of it!