Libraries are for making…..
Submission Template

Submission Guidelines:

1. Only one project per library may be submitted for this challenge.
2. Insert a picture of the creation **in .jpg format**, or include the URL if it is a video or can be seen online. (If you need help, call us!)
3. Size the picture to approximately 4-5 inches in height to keep your submission on one page if possible.
4. Fill in the project information below and
5. Save this document in **.pdf format** and email the file to Erica or Sue by the April 6, 2015 deadline.

Project Information:

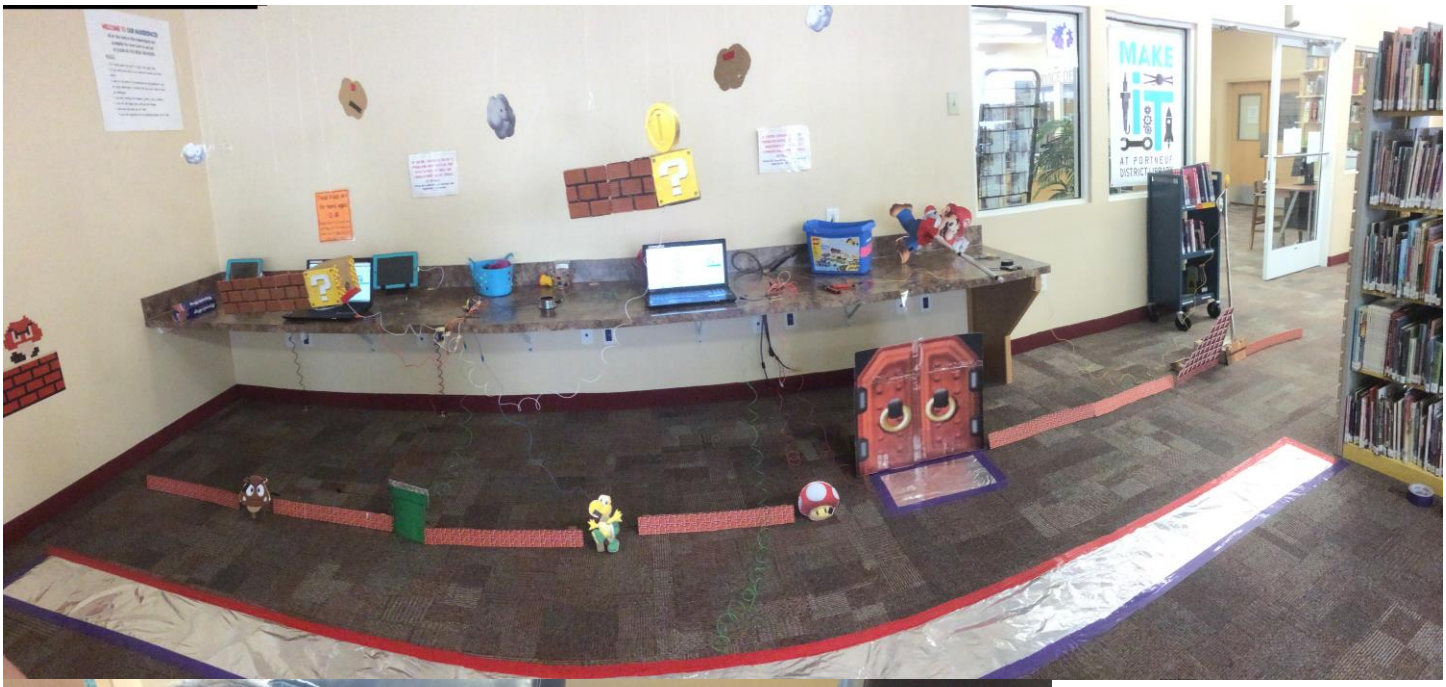
- Library Name: Portneuf District Library Library Contact: Holly Jackson

- **A short description about the creation. What media, computer program, or design method was used:** The teens designed a life-size Mario course with sound. All of the pictures were mounted on cardboard and for the images that were used to make sound they were lined with either aluminum foil or copper tape. Using scratch.mit.edu we were able to program the Mario sounds to happen when certain keys were pressed on a keyboard. From there the teens used 2 makey makey boards to wire those keys to the objects which would make the sound. So, for instance, if the coin sound was made by pressing the right arrow, using makey makey we would then extend a wire from the makey makey board to the coin which we wanted to make noise when hit. Once all of the objects were wired for sound we laid down a strip of aluminum foil on the ground and wired the makey makey boards to that strip in order to ground the circuit. Whoever held Mario, which was lined with copper tape, would stand on the strip of foil (without their shoes on since rubber soles will stop electricity) and then complete the circuit by touching Mario to the other wired objects. When the circuits were completed different noises would sound.

(**Place image or URL below**)

*Videos and more photos can be found on our Facebook page at http://goo.gl/rLLzLB

Pictures are below: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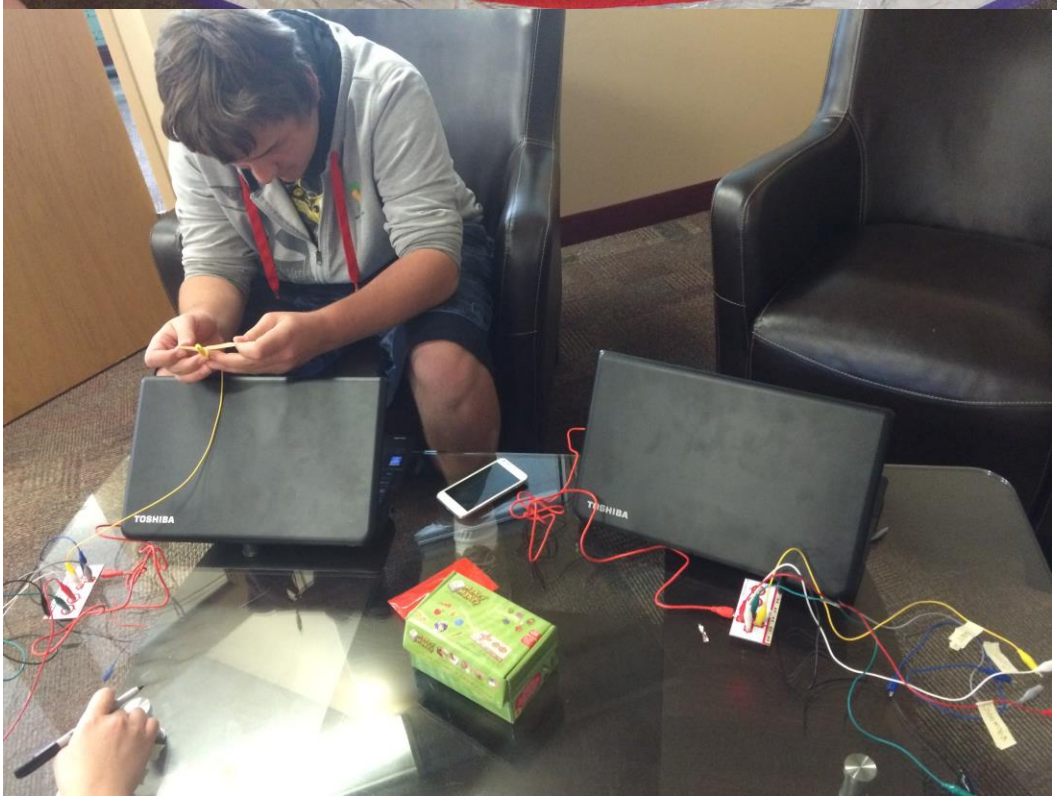
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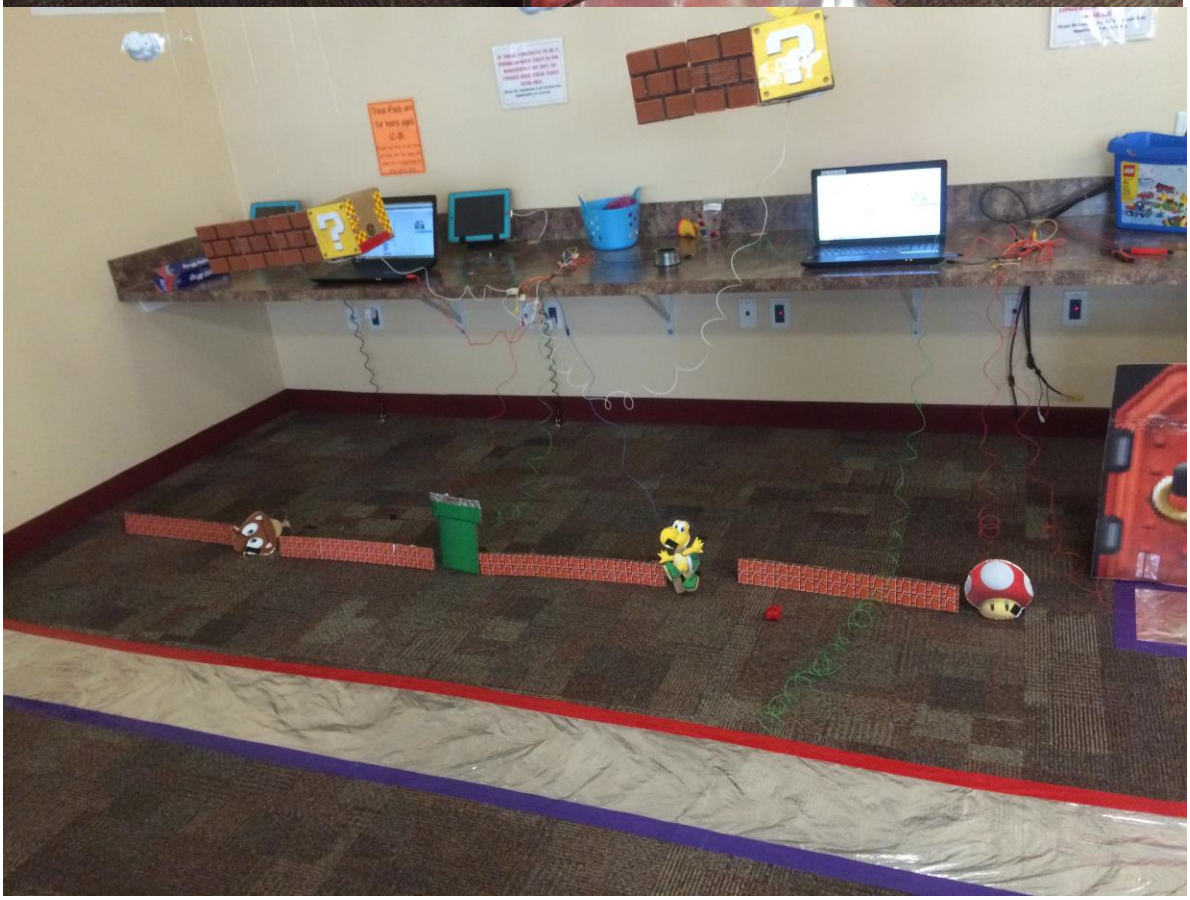
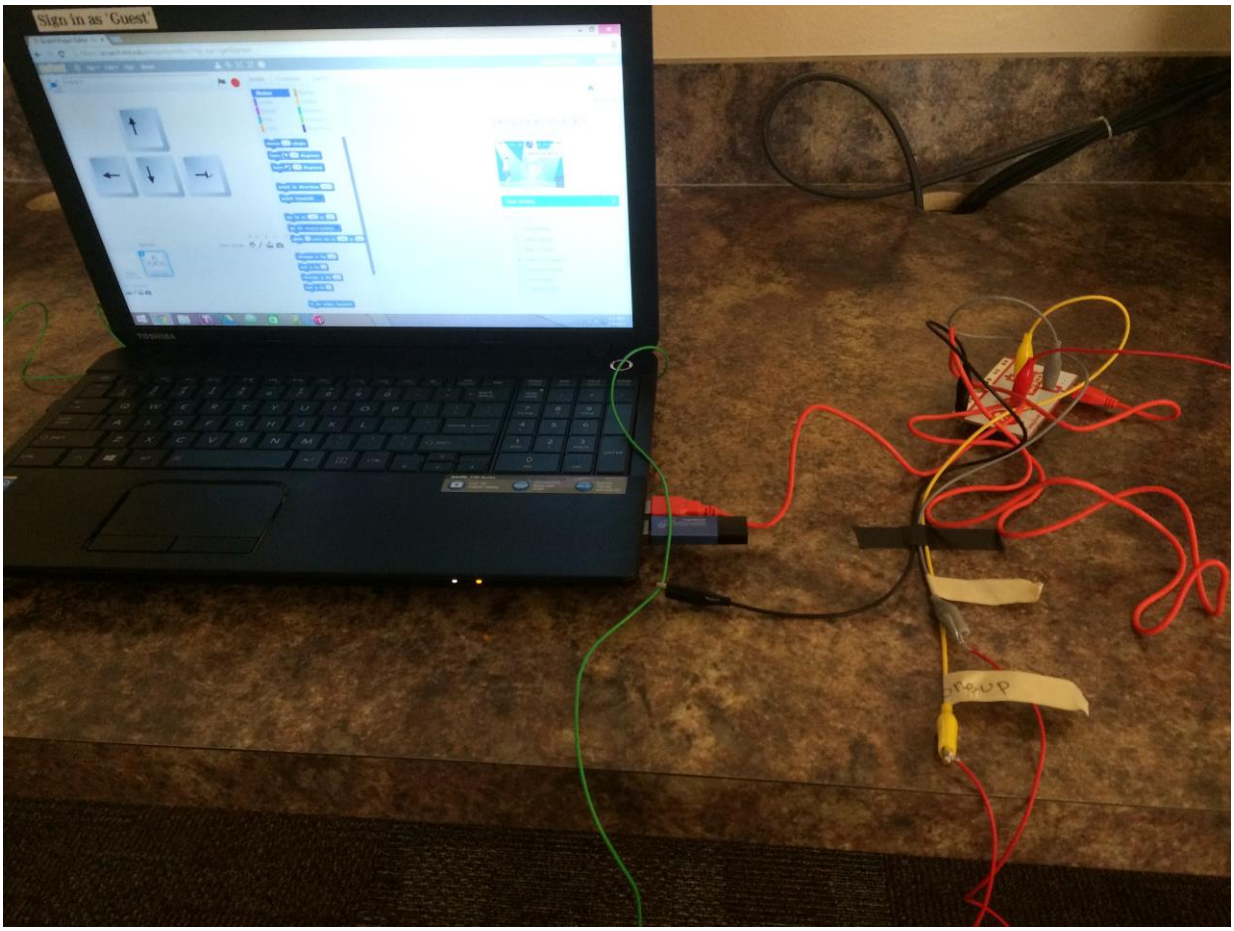
AT PORTNEUF
DISTRICT LIBRARY

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