

Dumpster Diving Merit Badge Assessment
Derived from the adafruit learning system

Instructions: do each of the following and submit to your instructor.

- 1.) Identify and describe your local laws regarding the ownership of items after they have been disposed of, including any restrictions and detailing the extent that you can “dumpster dive” without breaking the law.
- 2.) Identify and describe the philosophy behind re-purposing unused, broken or discarded materials as it pertains to assisting with current and future projects.
- 3.) Identify and describe how “dumpster diving” parallels the 3 core principles of recycling.
- 4.) Identify legal avenues of “dumpster diving” aside from actually diving into dumpsters.
- 5.) Identify and describe 4 consumer goods that contain components that could be used to add mobility or motion to your next project.
- 6.) Identify and describe 4 consumer goods that contain wiring and related hardware that could be repurposed.
- 7.) Identify and describe 4 consumer goods that could contain discrete components (i.e. ICs, capacitors, resistors) that could be used in your next project – DO NOT ATTEMPT TO REMOVE A CAPACITOR FROM AN ELECTRONIC DEVICE WITHOUT KNOWLEDGE OF SAFE HANDLING PRACTICES.
- 8.) Identify and describe 4 consumer goods that could contain usable display modules that could be used in your next project – DO NOT ATTEMPT TO OPEN OR MESS WITH A CRT.
- 9.) Identify and describe 4 consumer goods that could contain structural material and fasteners that could be used in your next project.
- 10.) Identify and provide data sheets for 3 components that you can repurpose for your next project. Show those components to your instructor. Describe why you would use these components for your project.