

# "Natural Resource" Tool Making Activity

Name:

Block:

Date:

Teacher Webpage:

<https://holbrooktech.weebly.com/06-natural-resource-activity.html>

Whether it is wood, metal, or animal most things come from the ground in some way. An important part of my metalwork classes includes a unit on making your own tools in the shop. While our tool making is typically done with power tools, hand tools, welding, forge, etc with enough effort and patience people have been making their own tools for 1000s of years. Technology has advanced but these videos below show some of the lost arts of primitive tool making.

## Your Task:

Design a specialty tool that has at least one purpose that will help you in your daily life or to accomplish a task at home. You can think outside of the box with this one. If it ends up as more decorative than useful that is okay as well. The goal here is to try and do something with your hands and your head.

Examples and ideas:

### Simple:

- Giant paperclip made out of old coat hanger. Use pliers to bend to desired shape.
- Custom tool for helping clear your gutters/drain from leaves that doesn't require needing a ladder. Made out of branches/metal pole and rope maybe?

### Harder:

- Phone stand with built in passive "amplifier" made from metal and wood. This can hold your device while doing webcam/zoom or just for watching movies. No more dropping your phone on your face while playing on your phone late at night!
- Making a chair/stool of some sort counts as a tool since it helps you sit off the ground!
- Shed Antler Trap (I think they are legal in BC.....) with a wood/metal/tree branches and bungee cords.

**THE TWIST:** You can only use materials that are in or around your home. No going out and buying stuff. Do not destroy something that isn't yours to "salvage" parts. Ask permission and be safe. If you are unable to actually build something then please complete this as a theoretical assignment and make some

**Required Response: (please add to this google doc if possible)**

- 1 - Photos or drawings/blueprints of your homemade specialty tool.
- 2 - Short paragraph outlining why you needed the tool(s)
- 3 - "recipe" of the parts/materials you used. This is basically a parts list so someone else could try and make your tool.

**Primitive Idea videos for inspiration:**

Forge blower: <https://youtu.be/VVV4xeWBxE>

Primitive Iron Tools: <https://youtu.be/d3uKr48g990>

Water Powered Hammer: <https://youtu.be/i9TdoO2OVaA>

Hand tools viking house: <https://youtu.be/D8ba5tt6Sgo>