**Materials**

* Aluminum 1x1 and 1x1.25
* 1 hole angle brackets
* ¼” bolts
* Mill
* End mills
* ¼” drills
* Minors saw
* tap

**Time**

Half the sessions with about 30min

**Outline of “curriculum”**

It would be one project where they would have cut, drill, mill, and use a ratchet and wrench. So they would have to take two pieces of aluminum and cut it to equal lengths. Then drill ¼ “ hole and tap it. Then cut a hole in the wider aluminum to fit the piece of 1x1 aluminum and a side wall of the 1x1 to make it fit and have a stop.

**Certification**

It would teach them how to use the mill for milling and drilling. Then how to tap without breaking the tap. Also how to cut properly.