README for Foundry Build Project

The particular challenge of this project was that the tools and policy related to metal casting was not in place at SUNY Maritime College. In fact the college has numerous rules for far less hazardous activities, including banning students from using car jacks. This and other challenges had to be overcome in order for this to be possible.

* Needed to make and have a safety plan approved by the college
* Needed to source equipment and build portions of the foundry for use
* Must have a place to store foundry equipment, including propane used in a safe and legal way approved by the college
* Needed to make a design and plan days where casting would be possible. Casting would be done outdoors, so weather had to be considered
* Teach participants about what the process is, how the process works, and hazards associated with metal casting
* Needed to coordinate help and supervisors approved by college
* Needed to have a project prepared so that

In this day doing metal casting, we did an open mold casting of the club logo in aluminum and brass. This would be machined and used to brand the logo on woodworking projects, such as when the club made cutting boards, or for the Adirondack chair project that was planned, but ultimately had funding cut for.

One thing which was of particular interest to me was that after completing this project, one of my professors made me aware that this was something which a previous faculty member wanted to add to the curriculum for the college and never was able to do.