

Luis-Manuel Morales
Capstone Annotated Bibliography

Garuglieri, Andrea. CHOP/TABLE SAW ARRANGEMENT. 4 Aug. 1998.

<https://docs.google.com/viewer?url=patentimages.storage.googleapis.com/pdfs/US5787779.pdf>

This patent will better help me understand the chop saw we have in our shop. The SLA shop has two different variations of chop saws. One is meant to cut metals, whereas the other is meant for woods. Both chop saws do share many of the same main components, but the patent covers many of the components not seen in our metal chop saw. When creating the certification docs and quizzes, this information will be vital for students to understand before they begin to use the machine.

13" Heavy 13 Gearhead Lathe Owners Manual. South Bend Lathe Co., 2012.

The Lathe is one of the more complex machines in the shop that I have not spent much time with in the past. This is one of the more risky ones to tackle, but by thoroughly examining the lathe manual, it will make the experience much safer. This quiz will require a lot more research and components to cover compared to other machines, making this source extremely vital to my Capstone. This manual goes in detail in regards to all the functions of the Lathe.

15" 7 Speed Metal/Wood Cutting Band Saw Operating Manual & Parts List. Palmgren .

The bandsaw is one of the more straightforward tools to use when used properly, and in order to do so, one must be properly informed of the dangers and cautions to take when using the tool. This manual will be a prime source when creating the Certification docs and quizzes, making sure that all the precautions and procedures will be covered. This owners manual is directly from the company for this specific Bandsaw.

Operating Instructions and Parts Manual 20-Inch Drill Press Model: JDP-20MF. JET, 2014.

The Drill Press is another tool I have not had much experience with in the past, which is why the manual to accompany the tool will be so vital to me learning how to not only use it but to teach others. This tool has more than simply one basic use. There are a variety of attachments that can be used, making it a very versatile tool in our arsenal. This manual is directly from JET and is specifically for this specific machine.

Operating Manual & Parts List 6", 7", 8" & 10" Bench Grinder. Palmgren .

The Bench Grinder is a machine that is essentially the belt sander, except its used to shape metals instead. To use, it is fairly simple, with proper precautions taken of course. The proper owners manual will be essential to knowing what exactly is deemed acceptable in usage, procedure wise and material wise. This source is directly from the company regarding this specific tool.

10" Contractor Saw Owner's Manual . Vol. 5, SawStop LLC, 2012.

The stop saw is the table saw the SLA shop uses when dealing with larger materials to cut. The manual from StopSaw will help outline what procedure we should be following, and not just for the sake of the certification and the certification quiz, but to make sure current SLA Shop Engineers are using the machine properly.

14 Inch (355mm) Chop Saw Instruction Manual . Porter Cable, 2009.

This chop saw is the more straightforward one in regards to on site materials that we have to work with. This chop saw doesn't receive nearly as much use as the wood one, but it is still as important that Engineers get certified in it as they will be using it at least once in their SLA Career. As with the previous tools, I plan to use this source to evaluate all the different parts of the ChopSaw, along with proper procedures, so we may use that information to certify students. It is the best source as it comes directly from the company regarding this specific tool.

"Hand Tool Safety." www.dli.pa.gov, Pennsylvania Department of Labor and Industry.
<http://www.dli.pa.gov/Businesses/Compensation/WC/safety/paths/resources/Documents/Safety%20Talk%20Topics/Hand%20Tool%20Safety.pdf>

The US Department of Labor and Industry has their own tip sheet regarding shop safety, specifically with hand tools, which the SLA Shop certification process is not as tedious of a process for, but the students still do need to know how to practice common shop procedures nonetheless. This source is also beneficial as it is coming directly from the state, ensuring that our school follows the regulation / advice of the states department. This will be used to educate students and quiz them on shop safety.

“UNITED STATES DEPARTMENT OF LABOR.” Occupational Safety and Health Administration,
www.osha.gov/pls/imis/AccidentSearch.search?acc_keyword=%22Lathe%22&keyword_list=on.

This Database is devoted to injuries suffered by workers while using shop tools. Using keywords you are able to access all records the US Department of Labor has on injuries regarding that tool. This source will come in handy in regards to workplace safety and proposing scenarios for the students to be tested on regarding the safety of the tool and the handling of the situation if an emergency were to occur.

“Workshop Safety.” Http://Www.hsa.ie, Health and Safety Authority,
www.hsa.ie/eng/Your_Industry/Quarrying/Maintenance_Operations/Workshop_Safety/

This source is a good resource for general shop safety. It is important for our students to be safe, and to practice good shop etiquette, not just with the tools, but making sure they are working properly in a clean, functional space. This guide ties the entire project together, ensuring that our students are well informed and building good habits for our engineers that they will take with them outside of SLA. The Health and Safety Authority is a National authority protecting workers and keeping them safe.