CIP 46.0401

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| **Corry.jpg** | **Building Property Maintenance Sequence Chart** |
| **YEAR** **I** | **1st Quarter****Orientation – class and lab rules - 5hrs****Safety demonstrations and tests as needed to perform jobs.****15hrs****Tape measure reading****5hrs****Introduction to tools (tool I.D.) review throughout year 1-2-&3****10hrs****Introduction to the trades and use of tools in the training lab- operating power tools - practice cuts with power tools, practice nail into 4x4, then begin job sheets for: building a small wall**, **installing basic plumbing, electric, install, finish, primer and paint drywall, cut gain and install hinge – Each job has a demonstration prior to student beginning job.** 30hrs**Introduction to building materials****5hrs****Floor and wall framing** **15hrs** **Students who excel do additional jobs in the lab.** | **2nd Quarter****Tool I.D. review throughout year 1-2-&3****15hrs****Basic roof framing, sheathing, and roofing in the training lab and operating power tools****40hrs****Basic Print reading****10hrs****Ladder Safety****5hrs****OSHA 10****15hrs** | **3rd Quarter****Tool and plumbing fitting I.D. review throughout year 1-2-&3****15hrs****Residential electrical wiring demonstrations and job sheets #1-22 for those who can finish all****42hrs****Vinyl soffit, window installation, vinyl siding, and aluminum break work****50hrs** | **4th Quarter****Tool and plumbing fitting I.D. review throughout year 1-2-&3****10hrs****Basic masonry tools, mortar mixing, and use of trowel, Masonry anchors and installation****40hrs****Concrete forms and finishing****20hrs****Tap and Die use****5hrs****Trim boxes - miters and copes in the lab - operating power tools****30hrs****tool and machine maintenance - 5** |
| **YEAR** **II** | **1st Quarter****Safety demonstrations and tests for power tools and practice cuts on scrap lumber in the training lab operating power tools. Review throughout year: tool I.D. and plumbing fitting I.D.****20hrs****Begin review of print reading and floor framing components, how to lay out floor joists, square a floor using the corner to corner and pythag methods. Make a material list and begin framing floor for shed.****51hrs****Wall framing****40hrs****Math for tradesman****15hrs** | **2nd Quarter****Tool and plumbing fitting I.D. review throughout year 1-2-&3****15hrs****rafter layout using pythag, and “how to use a framing square”. Cut and install rafters in the training lab while using power tools.** **41hrs****Use of plumbing fittings and how to adapt various styles of pipe job sheets****30hrs****HVAC trainer** **15hrs****Sheet metal fabrication****20hrs****Tool and machine maintenance - 5hrs** | **3rd Quarter****Tool and plumbing fitting I.D. review throughout year 1-2-&3****15 hrs****Sink, drain, and toilet installation and repair****35hrs****Gas and electric hot water heater installation and repair****20hrs****Begin Electrical Wiring- Students will begin review with electric job sheet #1. Students that excel in electric and show comprehension from the previous year, will be able to skip some job sheets until they have difficulty, others that have a difficult time will continue through the job sheets. The students that excel will begin with conduit bending and circuitry through conduit. This may flow into the 4th quarter.****51 hrs****Tool and machine maintenance - 5 hrs** | **4th Quarter****Tool and plumbing fitting I.D. review throughout year 1-2-&3****15hrs****When electric jobs are done, begin following workstation jobsheets****51hrs****Caliper and micrometer reading****5hrs****Students that progress quicker than others can begin projects on the milling machine in the training lab.****15hrs****Masonry tool, mortar, use of masonry tools, and basic brick laying – Begin with use of trowel and spreading mortar at three levels, then begin laying brick in a pyramid with the first course having six brick. As some students excel they will begin squaring and building corner****40hrs** |
| **YEAR** **III** | **1st Quarter****Safety demonstrations and tests for power tools and practice cuts on scrap lumber in the training lab operating power tools****20hrs****Review tape measure reading****5hrs****Students will review in class with 2nd year students, then begin work in their cubbies using job sheets to guide them from one job to the next.****96hrs****Tool and machine maintenance 5hrs** | **2nd Quarter****Tool and plumbing fitting I.D. review throughout year 1-2-&3****10hrs****Students will review in class with 2nd year students, then continue working in their cubbies using job sheets to guide them from one job to the next in the training lab while operating power tools.****76hrs****Mig and Arc welding****30hrs****Torches****10hrs** | **3rd Quarter****Tool and plumbing fitting I.D. review throughout year 1-2-&3****10hrs****Review for Nocti****21hrs****Stair layout****20hrs****Mig and Arc welding****20hrs****If student is on task throughout the year, they may focus on the trade of their choice. If not they will continue in their work stations.** **55hrs** | **4th Quarter****Tool and plumbing fitting I.D. review throughout year 1-2-&3****10hrs****Review for Nocti****21hrs****If student is on task throughout the year, they may focus on the trade of their choice. If not, they will continue in their work stations.****95hrs** |