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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ELT1010 Soldering Rubric Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Outcome** | **Goal** | **Excellent - 4** | **Proficient - 3** | **Satisfactory - 2** | **Not Acceptable - 1** | **Student** | **Teacher** |
| **Health and Safety (x1)** | *OHS* | Excellent grasp and application of safety policy and practice. | Good understanding of policy and consistent use of PPE. | Inconsistent use of PPE and basic understanding of safety policy. | Apparent disregard for safety practice and policy. |  |  |
| *Personal Safety* |
| *Basic Safety* |
| **Hazard Identification (x1)** | *Jobsite* | Thorough and insightful understanding. | Good understanding. | Needs guidance in identification. | Doesn’t grasp basic hazard recognition. |  |  |
| *PPE* |
| **Soldering Basics(x1)** | *Concepts and Theory* | Excellent understanding of all aspects of Soldering processes; thorough understanding of terminology when questioned | Understanding of soldering, terminology, and concepts demonstrated | Inconsistent recognition of soldering terminology; skills not demonstrated | Understanding of the concepts related to soldering not demonstrated;  |  |  |
| **Soldering Practical****(x 3)** | *Tinning* | Excellent cleaning and tinning of tip. Smooth tip surface, wiped at least once during process. Repeated for each joint | Tinning done well, generally smooth surface, wiped during process | Tinning process not consistent or done poorly. | Tinning not attempted. |  |  |
| *Wire Preparation* | Wire twisted individually before twisting splice, no loose/wild wires, tightly wrapped | Wire twisted individually before twisting splice, some looseness | Splice loose, wires not twisted tight | Wires not twisted properly, splice not functioning |  |  |
| *Solder Application* | Excellent penetration; heat applied from underneath, solder applied to wire and not iron, appropriate amount used, finished joint smooth | Good penetration; heated from underneath and solder applied properly, mainly smooth finish | Entire joint not soldered, lumpy, but joint holds under tensile stress | Poor penetration; lumpy and joint fails under tension |  |  |
| **Interpersonal Skills (x1)** | *Communication and Citizenship* | Communicates clearly. Asset to the shop. | Good shop citizen. Effective communicator. | Inconsistent personal inter-relationships. | Does not relate/respond well with others. |  |  |
| **In Short…..** | *Be the Best You Can* | WOW!!!! | OK | Right Idea, but….. | No, you need to….. |  |  |

52-44 Excellent 43-36 Proficient 35-29 Satisfactory 28-0 Not Meeting Acceptable Standards