

Suggested Student Activities

METAL AND ENGINEERING

Teachers delivering this course and workplace supervisors who have hosted their students recommend any of the following activities for students to complete during work placement. This is not a finite list; you may wish to offer other equally suitable activities relevant to the course.

Talking with the students should help reveal the student's levels of confidence and maturity; their current strengths, their preferred competencies to work on and perhaps some areas to improve.

NB: The activities include degrees of independent work – instruction and supervision must still be provided for the student.

- Participate in a WH&S site induction, and apply principles of, throughout their work placement.
- Use hand tools to assist in a job. Perform basic calculations in relation to this task.
- Use comparison and basic measuring devices and measuring with graduated devices.
- Perform manual production, sheet and metal plate assembly.
- Undertake basic soldering.
- Perform manual and mechanical cutting.
- Perform electronic and electrical assembly.
- Produce a technical drawing, 3D/2D drawing or model using CAD. Provide electronic/electrical detail and a sketch of the same.
- Perform manual soldering/de-soldering, basic soft soldering, routine oxyacetylene and brazing and/or gas metal/arc welding.
- Stack, store and create an inventory of materials.
- Operating in a work-based team environment