

AREAS FOR FURTHER DEVELOPMENT

T LEVEL: ENGINEERING, MANUFACTURING, PROCESSING AND CONTROL

T Level learners will have covered a broad spectrum of knowledge and understanding of the concepts, theories and principles relevant to the T level in the core content. They will then specialise and cover the knowledge and skills required in that occupational specialism, putting this into practise during the industry placement. There may be some areas a learner will need to further develop in a workplace environment following a T Level to reach full competence, such as behaviours. Following engagement with employers, industry experts and providers, we have captured below what these areas for development may be following a T Level. This will depend on the learner and an initial assessment. The RPL guidance gives further details.

Occupational Specialism: Composites Manufacturing

Standard: Boat Builder

Aspects for further development

K1 Work Methods:

- How to produce and interpret engineering drawings and understand boatbuilding terminology

K2 Identify and respond to customer needs:

- The international marine industry and the company's place within it
- The company's products and services

K3 Planning and set up:

- The company's process for design, planning and set up
- Vessel design and construction, complex shapes and the applications of geometry

K4 Manufacture and assemble/disassemble and repair components:

- De-storing a vessel for repair, safeguarding and protecting all removed items
- Methods of disassembling boats for repair

K5 Fit out:

- The options for connecting similar and dissimilar materials
- Types and uses of deck hardware and the forces applied
- The options for fixing components in place
- Understanding service and maintenance requirements

K6 Finish:

- Types and uses of deck hardware and the forces applied

K7 Support commissioning and sea trials:

- Boat handling skills
- Understand the requirements for basin and sea trials
- Principles of practice for working on or near water

Further practical application in the workplace, in particular:**S2 Identify and respond to customer needs:**

- Use appropriate marine terminology

S3 Planning and set up:

- Set up tools and machinery

S4 Manufacture and assemble/ disassemble and repair components:

- Manufacture or repair components to the required specification

S5 Fit out:

- Finalise fit out for deck hardware

S6 Finish:

- Check joins are sealed and fit for purpose

- Prepare surfaces, treat suitably and ensure are free from defects and protected
- Soften or suitably finish edges

Additional Learning

Further Practical Application of knowledge and skills to reach full occupational competence. They will need further support to apply their knowledge and skills, particularly in non-routine situations to develop their:

- Quality of skill
- Pace
- Adaptability
- Independence and focus
- Appropriate workplace behaviours

Behaviours.