T-LEVELS | Institute for Apprenticeships & Technical Education

T Level Technical Qualification in Design and Development for Engineering and Manufacturing

Employer-Set Project (8730-035)

Task 3
Summer 2023

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Task 3 – Plan

You have been asked by your supervisor to produce a programme of work plan detailing the stages and considerations required to complete the design, development and installation of your final lock gate design.

You should assume an installation rate of one lock gate system per four weeks, and a required overall timeline for the project of 52 weeks.

The programme of work plan will need to include:

- key stages of the project
- technology and resources required to install the lock gates
- duration and sequence of activities
- identification of the critical path.

Provide a supporting statement to justify your programme taking into consideration:

- health and safety including risk assessment requirements
- any relevant standards
- specialist equipment
- waste management and environmental considerations
- all assumptions relating to resources.

The programme of work plan will typically be **one** side of A4.

The supporting statement will typically be 1000 words.

Timing of assessment

- You will have **five hours** to complete your programme of work plan and supporting statement.

Conditions of assessment

- Your programme of work plan and supporting statement should be completed working alone under supervised conditions.
- You must not share or discuss your work with other candidates.
- You will have access to software that may be required to create the programme of work (e.g., word processing software, spreadsheets etc.).
- You will have access to copies of your responses to the previous tasks (for review purposes only).
- You will **not** have access to the Internet for the completion of this task.
- Assessment evidence must be handed in at the end of each session for secure storage which cannot be accessed.

What you must submit on completion of this task

- Programme of work plan (one side of A4).
- Supporting statement (typically 1000 words) – copy of file saved securely (e.g., in a secure online location or on memory stick to be handed in).

Additional evidence of your performance that will be captured for marking

- N/A

Marks available

- 18

Get in touch

City & Guilds Technicals Quality Team

We are here to answer any queries you may have regarding your T Level Technical Qualification delivery.

Should you require assistance, please contact us using the details below:

T: 0300 303 53 52 (Monday - Friday | 08:30 - 17:00 GMT)

E: **technicals.quality@cityandguilds.com**

W: cityandguilds.com/tlevels

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