T-LEVELS | Institute for Apprenticeships & Technical Education

T Level Technical Qualification in Onsite Construction (8711-30)

8711-033 Core: Employer-Set Project

Task 2.1 Collaborative Problem-solving

Autumn 2023

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Task 2.1 – Collaborative Problem-solving

The construction phase of the Clean Living housing project has commenced, and all prefabricated modules are now safely installed on site. The director of the housing association has asked you the following question:

“What is the best method to safely access the solar panels on the roofs of the top row of modules for maintenance purposes?”

In small groups, you need to discuss this problem and think about potential ways to solve it so that the work can be carried out safely, minimising risk to operatives.

You should take notes of the discussion points raised while considering access solutions that will work. Draft notes will be submitted at the end of the task.

Following your discussion, you will need to draft an email to the director.

Your email should be approximately 300 words long, and include your recommendations on:

- How the required access can be safely achieved, justifying the reason(s) for your access method(s).
- How to carry out the maintenance safely

Timing of assessment

- You will have **30 minutes** to discuss the options with your group.
- You will have **one hour** to complete your draft recommendation email on your own.

Conditions of assessment

- Your discussion will be completed working in a small group under supervised conditions.
- Your email will be drafted working alone under supervised conditions. You will have access to the notes you made during the group discussion.

What you must submit on completion of this collaborative problem-solving task

- Your draft notes from the group discussion
- Draft email (approximately 300 words)

Submitted as a hard copy or file saved securely as directed by your tutor/supervisor. You must ensure your work is saved as outlined in the ‘Presentation of work’ section of the Candidate Guidance document.

Additional evidence of your performance that will be captured for marking

- Observation record of your contribution to the discussion

- Video recording of the discussion

Maths, English and digital skills

- N/A

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:

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