

Part 1: Design

10 marks

1. **Identify listed issues:** Each learner in the group generates possible design ideas, then shares these ideas, providing as much detail as possible.
2. **Evaluate and design:** Teams evaluate individual design ideas and collectively develop a final design idea based on the strengths of each member's ideas.
3. **Design brief:** Write a design brief with detailed specifications for the final design idea, covering essential tasks or uses, materials, safety, and functionality.
4. **Flow chart:** Teams discuss how to proceed with the design and construction phases, and each learner creates a flowchart to outline the steps to be taken.

Part 2: Pricing and Bidding

10 marks

1. **Working drawings:** Each learner is responsible for creating detailed plan drawings for an aspect of the plan, using first-angle orthographic projection. Ensure that you add a suitable scale, correct line types, and dimensions.
2. **Budget:** Prepare a budget for the "real-life" situation, including necessary materials and labour costs. Ensure that your budget is realistic and based on real market costs.
3. **Model of a viable solution:** Build a scale model of your final design idea. The model should be constructed neatly and show intelligent use of materials, design practice, safety, when working with tools and materials.

Part 3: Evaluation

10 marks

1. **Evaluation instrument:** Collaborate as a team to create an evaluation instrument. This instrument will be used to assess your team's solution and another team's solution. You will use this during the presentation phase.

Part 4: Communication

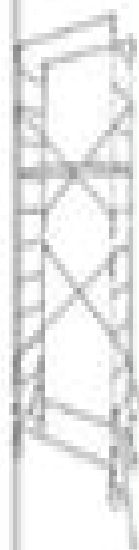
10 marks

1. **Team Presentation:** Teams will present their solution bid to the "tender board" (your teacher and classmates). Each team member must be responsible for presenting a specific aspect of the project. Your presentation should include drawings, plans, the budget, the model, and written responses.

Contractors

Design  
Phase 1/2

10 marks



Name:

Class:

# Grade 9 CAPS Technology

## Mini-PAT

### Community Issues – The Contractors

In this Mini-PAT (Practical Assessment Task), you will act as part of a contracting company competing for a contract to design and build a structure that addresses a problem facing a community. The project will focus on identifying a problem, investigating possible solutions, designing a structure, costing the project, and evaluating the final solution. You will be working in a group.

#### Instructions

##### Part 1: The Tender Process (including Ethical Practices)

10 marks

1. **Scenario Introduction:** A community lives on a major river's far bank. The river is wide and deep, preventing the people from reaching the city on the opposite side. This means that the people cannot take advantage of the work opportunities, the excellent medical and educational facilities, and the wide range of shops available in the city.

2. **Investigation:** Teams discuss possible structures to solve

ink saving Eco

## Mini Pat Grade 9

**Anthony S. Fauci**



**Mini Pat Grade 9:**

## Reviewing **Mini Pat Grade 9**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Mini Pat Grade 9**," an enthralling opus penned by a very acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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