Construction-Focused Mathematical Literacy

1. Overview

This programme is designed to develop mathematical literacy specifically for the construction industry. Learners will apply maths skills in practical construction scenarios, including measurement, cost estimation, plan interpretation, and data analysis for problem-solving. The programme prepares participants to become competent, self-managing workers and responsible contributors to the construction sector and society.

2. Programme Outcome:

- Apply numbers, number systems, and estimation methods in construction and daily life
- Work confidently with rational and irrational numbers
- Use mathematical models to represent and solve problems
- Recognize patterns and functions relevant to construction tasks
- Convert between different mathematical formats to interpret data accurately

Qualification:	Certificate of Completion
Duration:	2-Months
Programme Type:	Category B – Workplace-Based Learning Programme
Programme ID:	PA0388
SAQA US:	9007 & 7480
NQF Level:	2
Credits:	8
Entry Requirements:	Communication & Numeracy at NQF 1
Training Options:	**Online** - Each participant will receive training resources, which contains all programme materials and resources. Training is delivered fully online, and participants will join scheduled Microsoft Teams sessions facilitated by a trainer. This mode provides flexibility and allows learners to participate from any location. **Face-to-Face** - Each participant will receive training resources, which contains all programme materials and resources. Training is delivered through onsite contact sessions, either at the client's premises or providers campus, where a facilitator conducts the sessions in a classroom environment.
Minimum Participants Required:	(1) Online & (1) Face-to-face

3. Programme Content

- **(9007 US):** Work with a range of patterns and functions and solve problems
- **(7480 US):** Demonstrate understanding of rational and irrational numbers and number systems

4. Topics

- Module 1: Number Systems and Relationships
- Module 2: Patterns and Functions
- Module 3: Practical Problem-Solving in Construction
- Module 4: Applying Mathematics in Work and Society

5. Workplace-Based Learning Programme

This WLP is a fusion of academic learning and practical work. The learning is directly applied to the workplace by using client-based mentors and extensive workplace-based portfolio work and assignments. Apart from the obvious benefits of a workplace directed qualification, each WLP qualifies for recognition as a Category B Skills Programme in the Learning Matrix of the Amended BEE codes, which allows for the salaries of participants to be recognized as part of the Skills Development Expenditure.

We trust that the above is in order and look forward to hearing from you for Implementation