

# Numeracy: Fundamentals

Based on SAQA's Unit Standard 12444, 7469, 9009, 9007 and 7480, NQF Level 2, 16 Credits

## Introduction

*This course is ideal for learners who didn't have the opportunity to finish school. It will equip learners with the basic numeracy skills to function effectively in the workplace.*

## Course Objectives

People credited with these unit standards are able to:

- Estimate, measure and calculate physical quantities in practical situations
- Explore transformations of two-dimensional geometric figures
- Use mathematics to plan and control personal and/or household budgets and income and expenditure
- Use simple and compound interest to make sense of and define a variety of situations including investments, stokvels, inflation, appreciation and depreciation
- Investigate various aspects of financial transactions including costs, prices, revenue, cost price, selling price, loss and profit
- Apply various techniques to organise and represent data in order to model situations for specific purposes
- Give opinions on the implications of the modelled data for the required purpose
- Convert flexibly between and within various representations of functions
- Compare, analyse and describe the behaviour of patterns and functions
- Represent situations mathematically in order to interpret and solve problems
- Use and analyse computational tools and strategies, and make estimates and approximations
- Demonstrate understanding of numbers and relationships among numbers and number systems, and represent numbers in different ways

## Course Outline

- Understanding mathematical applications that provide insight into the learner's present and future occupational experiences and so develop into a contributing worker
- Gaining a confident, insightful use of mathematics in the management of the needs of everyday living to become a self-managing person
- Voicing a critical sensitivity to the role of mathematics in a democratic society and so become a participating citizen