



IDENTIFY, DESCRIBE, COMPARE, CLASSIFY, EXPLORE SHAPE AND MOTION IN 2-AND 3- DIMENSIONAL SHAPES IN DIFFERENT CONTEXTS

Unit Standard: 9008



Course Information



Qualification Title	National Certificate: New Venture Creation (SMME)
Course Title	Identify, Describe, Compare, Classify, Explore Shape and Motion in 2-and 3-Dimensional Shapes in Different Contexts
Course Level	2
Course Credits	3
Course Duration	Three days
Cost of Course	R 2 800,00 per delegate (excluding 15% VAT)

Course Overview

The course is about an insightful use of mathematics in the management of the needs of everyday living to become a self-managing person. It also assists in an understanding of mathematical applications that provides insight into the learner's present and future occupational experiences and so develop into a contributing worker. Learners will have the ability to voice a critical sensitivity to the role of mathematics in a democratic society and so become participating citizens.

National Certificate: New Venture Creation (SMME)

Who Should Attend?	• Employees to analyse data accordingly. • Entrepreneurs. • Those who would like to complete the qualification.
Course Objectives	• Basic instruments include those readily available such as rulers, measuring tapes, measuring cylinders or jugs, thermometers, spring or kitchen balances, watches, and clocks. • Quantities to estimate/measure: length, mass, time, temperature. • Quantities should range from the low or small to the high or large. • Mass, volume, and temperature values are used in practical situations relevant to learners or the workplace. • Calculate lengths using Pythagoras' theorem. • Calculate perimeters and areas of rectangles, parallelograms, circles, trapezia, from measurements in practical situations. • Use rough sketches to interpret represent and describe situations. • Use and interpret scale drawings of plans (e.g., teenager rooms, factory floors; in painting walls, designing gardens). • SI units to be used but conversions from imperial to SI included.
Benefits	Benefits of this course include learning to: • Estimate, measure and calculate physical quantities in practical situations. • Explore transformations of two-dimensional geometric figures.

Course Content

Course Modules	Course modules consist of: 1. Identify and solve problems using critical and creative thinking. 2. Collect, analyse, organise and critically evaluate information. 3. Communicate effectively. 4. Use mathematics to describe and represent realistic situations and to solve practical problems.
Certification and Assessments	All delegates who complete the summative assessment will be assessed, moderated, and receive a SOR (Statement of Results). Thereafter a Certificate of Competence from WWiSE (or SETA for qualifications) will be issued.

About WWiSE

Who are we?

World Wide Industrial & Systems Engineers (WWiSE) is an ISO consultancy, training, business solutions, and systems implementation firm based in Southern Africa that provides clients with effective business processes management solutions in preparation for ISO compliance. The solutions we provide and implement allow our clients to compete favourably in modern competitive business environments, both locally and internationally. We also strive to be the leading training providers in SHERQ, ISO, Engineering, Finance, Business, and Project Management.

What do we do?

Our services are aimed at the improvement of quality, efficiency, knowledge, and competitiveness of client companies. This service range includes:

- ISO and SHERQ Systems implementation services, whereby we assist clients in meeting the requirements of (but not limited to) ISO 9001, 14001, 22000, 31000, 27001, 20000-1, 50001, and ISO 45001 Standards.
- Integrated Management Systems development whereby we integrate several business systems and management solutions into a single management system to comply with standards.
- Training of all employees (Shop Floor to Executive Management) in the fields of SHERQ, Engineering, Finance, Business, and Project Management to meet job responsibilities and expertise requirements of International Standards.
- ISO and Legal Auditing which includes Gap Analysis Audits, Product, Process, Procedural, and Systems auditing by our registered SAATCA Auditors.
- Customised web-based solutions integrating current systems to be in line with ISO requirements.

We are a Level 1 BBBEE Contributor that specialises in systems development, consultancy, training, and auditing.