

MQA SURFACE SKILLS PROGRAM – MQA/SP/0177/19

SAQA US ID	257115			SPECILISATION ELECTIVE	
Unit Standard Title	Grade material using a motor grader				
NQF Level	03	SGB	Mining and Minerals		
Credits	14	Notional Hours		140	
Duration	Candidate	Knowledge	Practical's	Workplace	
	Novice	3 days	6 days	7 days / 56 hours	
	RPL (Re-fresher)	1-2 days	1-2 days	N/A	
	Re-certification	½ day	½ day	N/A	
Ratio of candidates to assessor	4:1		4:1	1:1	

NOTE: MQA SKILLS PROGRAM RULES BEFORE A SOR (Statement of Results) CAN BE ISSUED:

- All Cores need to be completed
- At least 1 Specialisation Elective
- At least 1 General Elective Unit Standard
- Additional 1 Day is required to conduct the Summative Practical Assessment after workplace exposure (logbook).

<u>PURPOSE OF THE COURSE</u>	<u>PRE-REQUISITES</u>
This unit standard will be useful to people who are responsible for grading material using a Motor Grader.	<ul style="list-style-type: none"> • Communication at NQF Level 2. • Mathematical Literacy NQF Level 2. • Certified copy of ID • Copy of learners Medical Certificate
<u>SPECIFIC OUTCOMES OF THE COURSE</u>	
<ul style="list-style-type: none"> • Demonstrate an understanding regarding grading material using a Motor Grader • Prepare to grade material • Grade material • Complete the duties pertaining to the grading operation 	<ul style="list-style-type: none"> • Manipulation of controls. • Lock out procedure. <p>Basic principles of using a motor grader:</p> <ul style="list-style-type: none"> • Monitoring of instruments, gauges and safety systems. • Manipulation of controls. <p>Processes and events:</p> <ul style="list-style-type: none"> • Workplace examination. • Pre-use inspection of the motor grader. • Preparation. • Take charge and operate paying attention to the manipulation of the controls, roadway conditions, pedestrians and prevention of injuries and property damage. <p>Occupational safety, health and environment:</p> <ul style="list-style-type: none"> • Hazards and risks encountered. • Safety systems and health protection. • Personal protective equipment. • Environmental protection and pollution controls. • Emergency procedures. <p>Applicable statutory requirements:</p> <ul style="list-style-type: none"> • Applicable Acts and Regulations. • Codes of Practice. • Operator competency requirements. <p>Communication requirements:</p> <ul style="list-style-type: none"> • Reporting. • Liaison with associated personnel. • Interpreting and implementing instructions
<u>ESSENTIAL EMBEDDED KNOWLEDGE</u>	
The following items reflect the type of knowledge that the assessor will evaluate:	
<p>Risks associated with workplace hazards:</p> <ul style="list-style-type: none"> • Overhang. • Large rocks. • Bench edges. • Environmental conditions e.g. dust, excessive water, visibility. • Power lines. • Moving machinery <p>Risks associated with work related hazards:</p> <ul style="list-style-type: none"> • Working in proximity of moving machinery. • Pedestrians and other workers. • Working in proximity of cables. • Hydraulic pressure. • Roadway conditions. • Access control. 	

Logbook supporting evidence requirements: (* compulsory and ** additional supporting evidence.)

- Completed and signed Checklists *
- Completed and signed Risk Assessment *
- Clocking records and equipment tag records. **