

Province of the Eastern Cape: Department of Education

Agricultural Technology

2/18/2009

MDAKA SM

Resource pack

Agricultural Technology  
Grade 10-12

No	Item	Description	Quantity	Target
EQUIPMENT				
	• Welding machine	Gas and electrical	2	Learners
	• Workshop	Fully equipped with all safety measures e.g. fire extinguishers	1	School
	• Engines	2-stroke, 4-stroke and diesel	3	School
	• Pedestal drilling machine		1	School
	• Electrical submersible pump		1	School
	• Power head		1	School
	• Welding helmet		Each learner	Learners
	• Oxy acetylene welding apparatus			School
	• Calibrated Scales		5	School
	• Electrical distribution board		2	School
	• Geyser with its different components	Pressure release valve, pressure control valve, overload protector automatic earth leakage protector	1	
	• Torsion bar		5	School
	• Protecting gloves and goggles		Each learner	Learners
	• Tractors and motorcycles		1x1	School
	• Thermosiphon cooling system		2	School

	<ul style="list-style-type: none"> <li>• Double action hydraulic cylinder</li> </ul>		1	School
	<ul style="list-style-type: none"> <li>• Ploughs, loaders, graters, planters</li> </ul>		1 of each	School
	<ul style="list-style-type: none"> <li>• Centrifugal pump</li> </ul>		1	School
	<ul style="list-style-type: none"> <li>• Drivebelts ,Gears(crown wheel), Driveshaft's</li> </ul>	Different sizes	2 of each	School
	<ul style="list-style-type: none"> <li>• Table with clamps</li> </ul>		2	School
	<ul style="list-style-type: none"> <li>• Farm machines, Pumps and tools</li> </ul>		2	School
	<ul style="list-style-type: none"> <li>• Knapsack sprayer</li> </ul>		2	School
	<ul style="list-style-type: none"> <li>• 100 Meters Measuring tape, steel ruler, square</li> </ul>		1 of each	School
	<ul style="list-style-type: none"> <li>• Garden spade</li> </ul>		5 per Grade	School
	<ul style="list-style-type: none"> <li>• Hammer ,pliers, iron saw, grinder</li> </ul>		2 of each	School
	<ul style="list-style-type: none"> <li>• First Aid kit</li> </ul>		1 per Grade	School

CONSUMABLES				
	• Diesel and oil			School
	• Steel(mild and carbon)cast iron , fiberglass, copper, wood, tar, paint	Different sizes		School
	• Insulated wires	Different sizes		School
	• Catalyst and accelerator			School
	• Welding rod (nickel)Arc		2	School
	• Metal sheet	Galvanized		School
	• Aluminum and PVC pipes	Different sizes		School
	• Compressed air	With single or three phase motor	1	School
	• Hog wire and bonnox			School
	• Reinforcement rod and wires	Different sizes		School
	• Screwdriver	Different sets		School
	• Pencils		1 per learner	Learners
	• Cement			School
	• Slides /DVD/CD demonstrating technological processes			School
	• Sanding paper, glue, screws and nails	Different sizes		School

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Workingtogether

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