

Reference list of TVET training consumables 2025/2026

1. Trade: Agriculture

1.1. List of core competences with practical requirements

#	Competence title
1	Demonstrate basics knowledge on plant biology
2	Grow root and tubers
3	Establish nursery
4	Grow vegetables
5	Grow legumes
6	Control soil erosion
7	Operate small farm tools and equipment
8	Apply fertilizers
9	Operate small farm machinery
10	Collect topographic data
11	Apply basic knowledge of soil science
12	Identify plant pest and diseases
13	Grow cereals
14	Grow fruits
15	Grow mushrooms
16	Multiply seeds
17	Operate tractor
18	Establish hydroponic system and plants
19	Carry out greenhouse operations
20	Establish microirrigation system
21	Implement data driven Agriculture precision
22	Grow ornamental plants
23	Grow industrial crops
24	Grow forage crops
25	Operate combine harvester
26	Perform urban and vertical farming systems
27	Grow herbs, spices and Aromatic crops
28	Manage Pest and Diseases
29	Supervise agriculture activities
30	Perform regenerative agricultural practices
31	Apply agriculture extension techniques
32	Apply post-harvest techniques
33	Apply animal husbandry practices
34	Integrate the workplace

1.2. Required Consumables

#	Item
1	Alcohol
2	Ammonium nitrate
3	Apple seedlings
4	Avocadoes seeds
5	Banana suckers different varieties
6	Beans seeds (Climbing)
7	Beetroots seeds (Beterave)
8	Cabbage (seeds)
9	Citrus (Mandarin) seedlings
10	Coffee seedlings
11	Copper oxychloride
12	Corn Flower seeds
13	Cypermethrin
14	DAP
15	Diammonium hydrogen orthophosphate fertilizer
16	Eggplant
17	Engine oil
18	Foliar nutrient
19	Foliar Fertilizer
20	Fresh beans
21	Fuel
22	Fumigants
23	Fungicides (Copper oxychloride)
24	Fungicides (Ridomil)
25	Fungicides Mancozeb
26	Innoculum
27	Irish potatoes
28	Jack fruit
29	Garlic
30	Geranium
31	Ginger seeds
32	Gloves
33	GPS Batteries
34	Green pepper
35	Groundnut seeds
36	Jackfruit (Artocarpus heterophyllus) seedlings
37	Leek
38	Lime calcium carbonate
39	Lubricant
40	Macadamia
41	Magnesium fertilizer
42	Maize
43	Micro element fertilizer
44	Mouth mask

45	NPK
46	Omax
47	Orchid
48	Organic manure
49	Palms
50	Passion fruits
51	Peas
52	Pegs
53	Pesticides
54	Phosphatic Fertilizers
55	Pineapples suckers
56	Plant hormones
57	Planting material
58	Pot/container:big pots
59	Potassium chloride
60	Potassium sulphate
61	Pots
62	Pumpkin seeds (Courge)
63	Red cabbage
64	Red Onion
65	Rice
66	Ridomil
67	Rhizobium
68	Rhizobium (Innoculum)
69	Rice seeds (paddy rice)
70	Ropes
71	Rocket
72	Sealing wax
73	Sincivera spp
74	Shade Net
75	Sorghum
76	Stevia seeds
77	Sugarcane
78	Superphosphate fertilizers (single supper phosphate)
79	Taro
80	Tomatoes
81	Tea seedlings
82	Tree Tomato seedlings
83	Urea
84	Watermelon seeds
85	Weed killer (glyphosate)
86	Wheat seeds
87	Wild sweetsop (Annona reticulata) seedlings
88	Yam tubers

2. Trade: Animal Health

2.1. List of core competences with practical requirements

#	Competence title
1	Manage Fodder crops and pastures
2	Prepare and distribute Concentrates feeds
3	Perform Ruminants farming
4	Prepare workplace for veterinary intervention
5	Prevent animal diseases
6	Describe the body of domestic animal
7	Perform minor surgery
8	Conserve and distribute fodder crops
9	Diagnose livestock diseases and administrate drugs
10	Record livestock health and production parameters
11	Perform microorganism identification
12	Describe animal physiology
13	Apply livestock extension techniques
14	Carry out rabbit farming operations
15	Carry out poultry farming operations
16	Carry out pig farming operations
17	Control parasitic diseases
18	Control infectious diseases
19	Manage intoxication, nutritional and metabolic disorder management
20	Operate milking parlor
21	Carry out hatchery operations
22	Operate farm machinery
23	Perform Beekeeping
24	Manage Companion Animal
25	Control quality of raw animal products
26	Perform Artificial Insemination
27	Perform Fisheries and Aquaculture
28	Assist in Major surgery
29	Assist in Necropsy
30	Integrate the workplace

2.2. Required Consumables

#	Item
1	Alamycin Spray
2	Albendazole
3	Albenol
4	Alcodex
5	Alcohol
6	Aliseryl
7	Amitix
8	Amnitotal
9	Ampolium
10	Amprolin
11	Amprocox
12	Anthrax vaccine for cow
13	Anti-rabies vaccine for dog
14	Atropine sulfate
15	Biocillin
16	Boluvit
17	Bone meal
18	Broncittes vaccine
19	Butachem
20	Butasal

21	Calcium disodium EDTA
22	Calcium gluconate
23	Canned fish
24	Castralin
25	Chick
26	CMT Reagent
27	Coli
28	Copper gluconate
29	Cotton seed cake
30	Cotton wool
31	Cow
32	Cow milk
33	DAP
34	Deltamethrine
35	Dexamethazone
36	Dexid
37	Dexon Super
38	D-Penicilline
39	Dried fish
40	Eggs
41	Erysipelothrix vaccine
42	Estrumate oestradiol
43	Face mask surgical
44	Fertilised eggs
45	Fingerlings
46	Fish
47	Fish feeds
48	Five in one vaccine
49	Fluconix
50	Foal pox vaccine
51	Fresh fish
52	Furazolidone
53	Glucortin
54	Goat
55	Gram staining reagent
56	Groundnuts
57	Ground nut cake
58	Guinea pig
59	Gumboro vaccine
60	Hi-Tec 120
61	Honey
62	ID Needles
63	IM needles and seringes
64	Imochen
65	Interacid Cleaner
66	Interalkaline cleaner
67	Intermectin
68	Intradine Dip
69	Intrafer
70	Introvit
71	Iodin Tencture
72	IV Needles
73	Ivermectin
74	KMNO4
75	Latex examination gloves
76	Lidocaine
77	Lime for disinfection
78	Lodin Tencture
79	Limoxin
80	Maacrolan

81	Maize
82	Maize bran
83	Maize seeds
84	Marek vaccine
85	Milk
86	Mineral Block
87	Molasses
88	Multject:procaine penicillin streptomycine sulphate
89	Multivitamine+oligo elements
90	Nemovit WS
91	Newcastle vaccine
92	Nilzan
93	Nitrogene liquid for branding
94	Nitroxynil
95	Novalgine
96	NPK
97	Object slides
98	Obstetrical gloves
99	Ocytocine
100	Ophtalimic tetracycline
101	Oxytetracycline
102	Penistrepto
103	Phenylbutazone
104	Pig
105	Piperazin
106	Piperin
107	Poultry
108	Premix
109	Rabbit
110	Rampskin vaccine for cow
111	Rice bran
112	Ropes for Restraining
113	Rose Bengal
114	S/C Needles
115	Salt
116	Savlon
117	Scalpel blades
118	Seven in one
119	Sheeting
120	Smoked fish
121	Sodium nitrite
122	Sodium sulfate
123	Solid Soap (Tembo)
124	Sorghum
125	Soybeans
126	Stressmix
127	Sulfadimidin
128	Sunflowers cake
129	Suture for suturing
130	Syringe
131	Tattoo ink for tattooing
132	Tetracolivit
133	Two valves seringes of 10 entimeter cube macolon for multiple injection
134	Udder cream
135	Urea
136	Vacum blood test tubes with ant coagulant
137	Vacum blood test tubes without ant coagulant

138	Vapicozine
139	Venoject needles
140	Vigozine
141	Vim
142	Vitamin
143	Vitol
144	White polypropylene for labelling samples
145	Wire saw
146	Xyra
147	Zinc

3. Trade: Automobile Technology

3.1. List of core competences with practical requirements

#	Competence title
1	Apply Bench Work to Automobile
2	Perform Basic Technical Drawing
3	Apply Basics of Electricity and Electronics
4	Apply Basics Welding to Automobile
5	Repair Automobile Engine
6	Repair Engine Cooling System
7	Repair Engine Fuel Supply
8	Repair Engine Lubrication System
9	Repair Engine Exhaust System
10	Repair Engine Supercharging
11	Repair Wheel and Tyre
12	Apply digital and power electronics
13	Describe knowlegde of materials
14	Apply Design and communication graphics
15	Overhaul diesel engine
16	Repair diesel engine systems
17	Install and maintain automotive electrical system
18	Maintain manual transmission system
19	Maintain vehicle control systems
20	Maintain automotive air conditioning system
21	Apply Hydraulic and pneumatic systems
22	Repair Diesel injection system
23	Repair vehicle electronic system
24	Repair vehicle automatic transmission system
25	Maintain Hybrid vehicle
26	Manage auto-spare parts and materials dealing
27	Integrate the workplace

3.2. Required Consumables

#	Item
1	A/C compressor
2	Accessories drive belts
3	Actuators
4	Air blower
5	Alcohol
6	Anti-freeze
7	Anti-rust (WD-40)
8	ATF oil
9	Automatic gearbox gasket kit
10	Automotive electrical harness

11	Automotive pin connector set
12	Balancing weights
13	Battery
14	Body Filler
15	Brake fluid
16	Brake pads
17	Brake pipeline
18	Brake shoes
19	Cabin Air filter
20	Cable ties
21	Chain
22	Clamps
23	Cloths rags
24	Clutch disc
25	Coil spring
26	Commutator
27	Condenser
28	Condensor fan
29	Conventional lamp Bulb socket
30	Conventional lamp Double filament bulb
31	Conventional lamp single filament bulb
32	Cutting disc
33	Cutting disc
34	Cv joint
35	Diesel fuel filters
36	Diesel Injection pump gasket kit
37	Diesel Injector washers set
38	Distilled water
39	Distributor
40	Drill bits
41	ECU
42	Electrical Conductive grease
43	Electrical motors
44	Electrode
45	Engine bearing kit
46	Engine degreaser
47	Engine gaskets kits
48	Engine oil
49	Evaporator
50	Face mask for vehicle body painting practice
51	Filter dryer
52	Flasher unit
53	Flat bar
54	Fuel
55	Fuel
56	Fuses
57	Gas (acetylene & oxygen) refiling
58	Gas discharge lamp
59	Gear box oil
60	Goggles
61	Grease
62	Grinding disc
63	Grinding disc
64	Grinding paste

65	Grinding paste
66	Halogen gas lamp
67	Hand glooves
68	Hardener
69	High-voltage insulation tape
70	HS Profile
71	HVAC switches
72	Injector leak off washers set
73	Instrument cluster system displays
74	Insulating tapes
75	Insulator tape
76	Lighting emitting diodes
77	MacPherson unit
78	Masking papers
79	Masking tape
80	Master cylinder
81	Multimeter battery
82	Neon-gas discharge lamp
83	Oil filter
84	Ordinary diode
85	Oxycytelene
86	Oxygen cylinder filing
87	Paints
88	Photo diode
89	Piston rings
90	Pitman arm
91	Putty
92	Radiator hoses
93	Radiator pressure test tool
94	Receiver
95	Reflective high voltage signal sign
96	Refrigerants
97	Regulator
98	Relays
99	Rivets for car repair
100	Rubber bushings
101	Rubber solution
102	Sand paper
103	Sand paper
104	Seal tape
105	Sensors
106	Sheet metal
107	Shock absorber
108	Shop rags
109	Silicone
110	Silicone
111	Soap
112	Soldering wire
113	Solenoids
114	Solvents
115	Sound system kit
116	Spark plugs
117	spark plugs set
118	Starter battery
119	Steering fluid

120	Sucking pump
121	Super glue
122	Switches
123	T bar
124	Thinner
125	Thyristor
126	Transistor
127	Tripod joint
128	Tyre Patches
129	Tyre with steel rim
130	Varnish for vehicle
131	Vehicle fuse set
132	Wax
133	Wheel cylinder seals
134	Windshield wiper motors and wiper linkage
135	Wires and connectors
136	Zener diode
137	Z-link

4. Trade: Building Construction

4.1. List of core competences with practical requirements

#	Competence title
1	Demonstrate basics of plumbing
2	Realize construction technical drawing
3	Demonstrate basic knowledge of domestic electricity
4	Construct stones structure
5	Erect bricks and blocks walls
6	Perform cement flooring construction
7	Perform opening fixation
8	Perform plastering of structure element
9	Set out a building
10	Make Soil based brick and blocks
11	Demonstrate fundamentals of Building materials
12	Apply construction basic welding
13	Apply basics of AutoCAD
14	Apply building construction drawing
15	Perform concrete works
16	Perform reinforcement steel bars works
17	Perform tile works
18	Perform terrazzo works
19	Quantify construction works
20	Perform cement based blocks and pavers works
21	Manage Construction Site
22	Apply ArchiCAD software
23	Install ceiling
24	Construct roof structure
25	Perform basic reinforced concrete design (RCD)
26	Perform building acoustic and thermal insulations
27	Perform ornamental finishing works
28	Erect scaffolding
29	Integrate the workplace

4.2. Required Consumables

#	Item
1	Acetylene gaz
2	Acoustic putty
3	Acoustic sealants
4	Acoustic tile
5	Adhesive glue
6	Admixtures
7	Aluminium Sheet metal
8	Anti-theft chain
9	Ball valve GI
10	Binding Wire
11	Bolt & Nuts
12	Bolts and Nuts
13	Box gutter
14	Building line/String
15	Burnt Bricks
16	Cement blocks
17	Cement pavers
18	Circuit breaker
19	Clamps
20	Clay
21	Coarse aggregates
22	Concrete spacers
23	Copper sheet metal
24	Cross tee
25	Cutting disc
26	Cutting disk
27	Door clamp
28	Door closer
29	Door mirror
30	Door Stopper
31	Drilling bits
32	Dump Proof Course
33	Elbows
34	Electrical pipe
35	Electrical Wires
36	Fiberglass
37	Filler metals
38	Fire extinguisher
39	First aid kit
40	Flexible pipe
41	Foams
42	Fuel
43	Fuse
44	Galvanized wire
45	Ganga Pipe
46	Galvanized Pipe
47	Glass
48	Granite
49	Grey Cement
50	Grinding disc
51	Gutter
52	Gypsum board
53	Hack saw blade
54	Handles
55	Hinges
56	Hollow tubes
57	HS profile

58	Insulator tape
59	Iron sheets
60	J-Hook
61	Knobs
62	Lamp holder
63	Lamps
64	Latches / plug
65	Lime
66	Loose fill
67	Lubricating Oil
68	Marble chips
69	Masking tape
70	MDF board
71	Metal Cutting disk
72	Mild steel sheet metal plate
73	Nails
74	Nipple
75	Non return valve
76	Paint
77	Petrol
78	Pincer
79	Plastic sheeting
80	Plasticizers
81	Plywood
82	Plywood panel
83	Precasted concrete kerbs
84	Precasted terrazo tile
85	PVC Panel
86	PVC Pipe
87	Quartz
88	Reducing socket
89	Reinforcement Steel bars
90	Resilient channels
91	Ridge cap
92	Rock wool
93	Rollers
94	Roof nail
95	Roof tiles
96	Safety Goggles
97	Sand
98	Sand paper
99	Sanding block
100	Sanding papers
101	Scissor
102	Screws
103	Shower head
104	Shower mixer tap
105	Shower tray
106	Silicone
107	Sink
108	Sliding support
109	Slocks
110	Socket

111	Sound proof drywall (plasterboard)
112	Stainless steel pipe
113	Steel sheet metal
114	Stones
115	Stucco
116	Suck
117	Switches
118	Tangit glue
119	Tap
120	Tee
121	Terrazo Strip divider
122	Thinner
123	Thread seal tape
124	Tile Adhesives
125	Tile cutter blade
126	Tile cutting pen
127	Tile Spacers
128	Tiles
129	Timber
130	Tracks
131	Transparent sheets
132	Union
133	Varnishes
134	W.C complet/Sitting
135	W.C complet/Squatting
136	Wall angles
137	Warning tape
138	Wash hand basin complet
139	Welding electrode
140	Welding gas
141	White Cement
142	Window hook
143	Wood glue
144	Wooden sealant materials
145	Alcobond panels
146	Wall papers
147	Aluminium framing pieces and accessories
148	Sandwich panels
149	Corrugated metalic cladding sheets

5. Trade: Computer System and Architecture

5.1. List of core competences with practical requirements

#	Competence title
1	Assemble PCB and computer system
2	Deploy computer systems
3	Apply network fundamentals
4	Implement electronic circuit
5	Maintain computer systems
6	Deploy computer peripherals
7	Maintain telephone
8	Develop embedded system hardware
9	Develop embedded system firmware
10	Set up LED and LCD screen
11	Create Electronic Enclosure
12	Refurbish Computer System
13	Apply Fundamental Mathematical Analysis
14	Apply Mechanics and properties of matter
15	Apply digital electronics
16	Apply C programming
17	Apply SolidWorks Design
18	Apply C++ programing
19	Develop embedded system hardware
20	Develop embedded system firmware
21	Set up LED and LCD screen
22	Create Electronic Enclosure
24	Apply Mathematical Analysis, Statistics and Probability
25	Apply Dynamics and Waves
26	Apply Window Server Administration
27	Consume Cloud Computing Services
28	Apply Data Structures and Algorithms using C
29	Apply Quality assurance
30	Develop Hobby Kernel using C
31	Automate System using PLC
32	Design Computer Hardware Architecture
33	Develop computer power system
34	Integrate the workplace

5.2. Required Consumables

#	Item
1	Battery for laptops assembly/repair
2	Thermal Module
3	PBC motherboard components
4	CPU chip
5	RAM
6	RAM slots
7	ISA slotts
8	Southbridge
9	Northbridge
10	BIOS memory
11	I/O ports
12	USB ports
13	AGP slot
14	Parallel port
15	IDE controller
16	CMOS battery
17	Power supply
18	Connector

19	Mouse
20	keyboard ports
21	Switches
22	Battery/cells
23	Cable Cat 6 Ethernet network cable (Roll)
24	RJ 45 CAT 6 Connector
25	Web cam 3.0M+DUAL
26	BMS Charger
27	Breadboard
28	Capacitor
29	Chopper transformer
30	Communication cable (RS-232)
31	Communication cable(Ethernet)
32	Conduit
33	Connectors
34	Desoldering wick
35	Diode
36	Electrical tapes
37	Ultrasonic sensor
38	DHT Sensor(DHT22)
39	GAS (OXGYEN) SENSOR
40	Capacitive soil moisture sensor
41	Foam cleaner
42	Glue stick for Glue gun
43	Heatsink Heat
44	HMDI cable
45	Isopropyl alcohol
46	Jumper wires
47	Labelling materials
48	MOSFET
49	PCB
50	Proximity Sensors
51	Push Button
52	PWM control IC
53	Relays (Solid-State Relays)
54	Resistors
55	schotkey diode
56	Soldering Paste
57	Soldering Tin
58	Spare screws
59	Transformer
60	VGA
61	Voltage Regulator
62	Weight/load sensors
63	Wires
64	Zener diode
65	Zip ties
66	Zip ties

6. Trade: Electrical Technology

6.1. List of core competences with practical requirements

#	Competence title
1	Apply bench work to domestic electricity
2	Perform domestic electrical drawing
3	Apply Fundamental of Electricity and Electronics
4	Perform Domestic Electrical Maintenance and Repair Domestic Appliances
5	Lay electrical conduit systems perform wiring/cabling and install electrical lighting and power sockets
6	Install power protection system
7	Install Automatic Electrical Switches and Detectors
8	Install Photo Voltaic Home System
9	Industrial technical drawing
10	Apply Digital electronics fundamentals
11	Install Heating, Ventilation and Air Conditioning (HVAC) system
12	Build Electromagnetic circuit of electrical machines
13	Assemble Industrial electrical equipment
14	Install Industrial Electrical Control Circuits and Accessories
15	Install Industrial electrical motors
16	Perform Industrial electrical maintenance
17	Install Pneumatic and hydraulic system
18	Perform Basics of Networking
19	Install Electrical Vehicle (EV) Charging Station
20	Operate power plant
21	Maintain electrical power system
22	Build electrical rotating machine
23	Construct Electrical Power Line
24	Install electromechanical equipment of power plant
25	Install electrical automation system
26	Integrate the workplace

6.2. Required Consumables

#	Item
1	Accumulators
2	Actuators
3	Air tank
4	Ballast
5	Battery
6	Cable clips
7	Cable trunk
8	Capacitor
9	Charge controller
10	Circuit breakers
11	Conduits
12	Contactors
13	Control valves
14	Coolers
15	DIAC
16	Digital logic probe
17	Diodes
18	Directional Control Valves
19	Distribution board
20	Door bell

21	Electrical bell
22	Electrical overload relay
23	Electrical pipes
24	Electrical wire
25	Electromagnetic field meter
26	Electrostatic field meter
27	Filters
28	Fluorescent lamp
29	Fuse
30	GTO
31	heaters
32	High voltage probe
33	IGBTs
34	Inductors
35	Insulator tape
36	Insulator tape
37	Junction box
38	Lamp holder
39	Lamps
40	Lightening arrestor
41	Linear actuators
42	Lubricant oil
43	MCT
44	Motor shunt
45	Nails
46	Phase sequence indicator
47	Pressure relief Valves
48	Protection relay
49	Relays
50	Resistors
51	Rewinding wires
52	Rivets
53	separators
54	Series motor
55	Socket
56	Starter
57	Surge arrestor single phase
58	Switch box
59	Switches
60	Transformers
61	Twilight
62	Wire clamps
63	Wire connector

7. Trade: Electronics and Telecommunication

7.1. List of core competences with practical requirements

#	Competence title
1	Apply basics of electricity
2	Apply electronic fundamentals
3	Apply Telecommunication systems fundamentals
4	Apply basics of C programming
5	Install telecommunication reception system
6	Install Sound System
7	Install Video System
8	Repair Mobile Phone Hardware
9	Repair Consumer Electronic Equipment
10	Apply Networking Fundamentals
11	Apply Technical Drawing
12	Apply Digital Electronics Fundamental
13	Install Electronic Security System
14	Install a Telecommunication Transmission System
15	Build a Power Converter System
16	Install Heating, Ventilation, and Air Conditioning system
17	Maintain Hardware of OS-based Processing Devices
18	Maintain Software of OS-based Processing Devices
19	Develop Basic Embedded System
20	Apply python for machine learning
21	Install radio and television broadcasting system
22	Produce electronic smart devices motherboard
23	Install mobile communication system's equipment
24	Apply electronic control system for industrial automation
25	Produce Electronic Devices Enclosure
26	Perform Chip programming
27	Integrate Artificial Intelligence into electronic devices
28	Integrate the workplace

7.2. Required Consumables

#	Item
1	Alcohol
2	Audio cables (banana)
3	Bolts and Nuts
4	Cable ties
5	Ceramic capacitors
6	Circuit breaker
7	Cleaning sponge
8	Coaxial cables
9	Digital multi meter
10	Diodes
11	Electrical pipes
12	Electrical wires
13	Electrolytic capacitors
14	Electronic wires
15	Fiber optic connector
16	Fiber optical cables
17	Fixed resistors
18	Fluid Sensor
19	Fuse
20	Fuse

21	GSM module
22	HDMI cable
23	ICs
24	Inductors
25	Infrared receiver
26	Insulator tape
27	Internet cable (CAT 5)
28	Jumper wires set (Female and Male)
29	Junction box
30	Lamps
31	LCR meter
32	Power cables
33	Printed circuit board (PCB)
34	Relays
35	RF connector
36	Seven segment
37	Socket
38	Soldering iron
39	Step down transformer
40	Switch box
41	Switches
42	Thyristors
43	Transformers
44	Transistor
45	Transistors
46	Variable resistors
47	Video Graphic Array (VGA)
48	Wire clamps

8. Trade: Fashion Design

8.1. List of core competences with practical requirements

#	Competence title
1	Perform garment construction
2	Apply technical drawing
3	Perform fabric care
4	Draft hand patterns
5	Perform hand sketching
6	Perform basic stitches and surface applications
7	Perform hand weaving
8	Perform Crocheting and Knitting
9	Industrial Attachments Program (School Based)
10	Sell fashion products and services
11	Perform sewing techniques
12	Perform fabric cutting
13	Manipulate block pattern
14	Perform machine embroidery
16	Make formal dress
17	Make jumpsuit
18	Make women jacket,
19	Perform Digital Fashion Illustration
20	Make digital Block patterns
21	Perform digital fashion illustrations
22	Make men suit
23	Make evening gown
24	Make women's wear
25	Make men's wear
26	Make fashion accessories
27	Integrate the Workplace

8.2. Required Consumables

#	Item
1	Buzzer fabric
2	Beading Glue
3	Beads
4	Buckles
5	Buttons
6	Color product
7	Cotton fabric
8	Dress Forms
9	Dyes
10	Elastic
11	Embroidery thread
12	Fabric paint hard
13	Fabric paint soft
14	Gentleman fabric
15	Hook and eyes
16	Intelining (polyester)
17	Interfacing (Vilizorine)
18	Jinja fabric
19	Kitenge fabric
20	Laces
21	Machine needle
22	Machine Oil
23	Mattress form/sponge
24	Musclin Fabric

25	Nylon fabric
26	Nylon Spandex Fabric
27	Oxygen Bleach
28	Petrol
29	Polyester fabric
30	Poplin fabric
31	Poplin Fabric
32	Rhinestones
33	Salt Solvent Enzyme
34	Satin fabric
35	Screw driver
36	sequins
37	Should Pad
38	Shoulder pad
39	Silk fabric
40	Snaps
41	Soda ash
42	Thinner
43	Threads
44	Tisuecola
45	Under wires
46	Velcro
47	Vinegar
48	Yarn for Crochet
49	Yarn for Knitting
50	Zip

9. Trade: Fine and Plastic Arts

9.1. List of core competences with practical requirements

#	Competence title
1	Paint An Artwork
2	Apply Decoration
3	Make Sketch
4	Make Artistic Design
5	Make Sculpture
6	Industrial Attachments program (School Based)
7	Describe art in Middle age and Renaissance
8	Print Artwork
9	Produce building model
10	Perform analog illustration
11	Paint environment
12	Sketch flora, fauna, and parts of human body
13	Perform artistic drawing
14	Carve masks, flora and fauna
15	Carve parts of human body
16	Make ceramic masks, flora, fauna, and parts of human body
17	Integrate the workplace

9.2. Required Consumables

#	Item
1	Acrylic B439:B548 louvre paints
2	Batik pen /batik tjanting
3	Bead caps
4	Bead stringing
5	Beads
6	Blankets (rufuku)
7	Bliers and cutters

8	Bois de rose
9	Bristol paper
10	Brushes
11	Cabinets
12	Canvas
13	Cartridge
14	Cement
15	Clay
16	Clear Floor Varnish
17	Coloured clothes
18	Craft papers
19	Cutters
20	Deco mesh
21	Decoration balloons
22	Drafting stools
23	Drawing boards
24	Duster
25	Dyes
26	Ear wires
27	Easels
28	Ebene logs
29	Ebony
30	Electric tjanting
31	Eraser
32	Fabrics
33	Firewood
34	Fixative
35	Fixative spray
36	Flat File
37	Flat, roll files and blueprint storage
38	Flowers
39	Frames
40	Glaze
41	Glue
42	Glue stick
43	Head caps:For jewellery
44	Ink
45	Ink Pen
46	Isograph
47	Jacaranda wood
48	Jewellery pliers
49	Jump rings
50	Kaolin
51	Latex (undercoat)
52	Libuyu wood
53	Masking tape
54	Mat board
55	MDF backing board
56	Metallic paint
57	Muvura wood
58	Nails
59	Oil (for sculpture moulding)
60	Oil paint
61	Oil paint (first dry)
62	Packing box

63	Paint Thinner
64	Paper cutters and paper trimmers
65	Papers
66	Papier carton
67	Paraffin
68	Peacock paints
69	Pens
70	Photo papers
71	Picture Frames
72	Plaster
73	Plastic bags
74	Plywood
75	PVC rolls
76	Refractory
77	Ribbons
78	Sand
79	Sand paper
80	Scotch
81	Screws
82	Self- adhesive board
83	Soap
84	Solvent
85	Spray paint
86	Staple wires
87	Steel Bars
88	Sticker rolls
89	Stones
90	Sugar paper
91	Super glue
92	Thinner
93	Threads
94	Tie and dye
95	Tilting drafting table with stool
96	Timber wood
97	Toggles and claps
98	Transfer paper
99	Treads
100	Trellis
101	Trunk Wood
102	Umunzenze wood
103	Varnish
104	Vegetable-Tanned Leather
105	Water Paints
106	Wire
107	Wire mesh
108	Wood glue
109	Wood Stain
110	Yarn:For Knighting

10. Trade: Food and Beverage Operations

10.1. List of core competences with practical requirements

#	Competence title
1	Maintain food and beverage hygiene and safety
2	Perform kitchen Mise en place
3	Maintain food nutrients in cooking
4	Perform restaurant opening duties
5	Serve food and beverage
6	Perform kitchen and restaurant closing duties
7	Prepare simple bakery products
8	Prepare stocks, sauces, and soups
9	Prepare vegetables and starch dishes
10	Prepare salads and fruits
11	Prepare meat, poultry and egg dishes
12	Industrial attachment (School - Based)
13	Prepare Canapes, Farinaceous and Sandwiches
14	Prepare bakery and pastry product
15	Prepare espresso-based coffee
16	Prepare hot and cold drinks
17	Prepare pastas and starches
18	Provide quality customer service
19	Perform Kitchen and Restaurant Closing duties
20	Perform Beverage Service
21	Produce Italian hot dishes
22	Perform food and beverage quality control
23	Prepare advanced bakery and pastry products
24	Perform advanced restaurant buffet set up
25	Supervise food and beverage operations
26	Prepare advanced cold kitchen products
27	Produce Chinese hot dishes
28	Prepare specialty coffee and cocktails
29	Create new dish
30	Integrate the workplace

10.2. Required Consumables

#	Item
1	Amaranth
2	Apples
3	Baby marrow
4	Baking powder
5	Baking sheet
6	Banana plantains
7	Bayleaves
8	Beef bone
9	Beef Bones
10	Beef fillet
11	Beef flank steak
12	Beef masala
13	Beer
14	Beers
15	Beetroots
16	Black olive
17	Black pepper
18	Brocoli
19	Brown chocolate
20	Brown flour
21	Brown sugar
22	Butter
23	Cardamom powder
24	Carrots
25	Cassava flour
26	Cauliflower
27	Cayenne pepper
28	Champagne
29	Chantilly cream
30	Cheese
31	Cherries
32	Chicken
33	Chilli pepper
34	Chilli powder
35	Chinese Spices
36	Chocolate powder
37	Cinamon
38	Cleaning pads
39	Cloves
40	Coconuts
41	Coctail straws
42	Coffee beans
43	Coffee granule
44	Cooking Gas
45	Cooking gaz
46	Coriander powder
47	Corn starch
48	Cream
49	Cream ambiante
50	Cube maggi
51	Cube magi
52	Cucumber
53	Cucumbers
54	Cucumbers
55	Cumin powder
56	Cumin seeds
57	Curry paste

58	Curry powder
59	Dijon mustard
60	Dried beans
61	Eggplant
62	Eggs
63	Extra virgin olive oil
64	Extracts
65	Fanta
66	Fennel
67	Feta cheese
68	fish fillet
69	Flour
70	Foil paper
71	Food color
72	French beans
73	Fresh Apples
74	Fresh coriander
75	Fresh cream
76	Fresh Pineapples
77	Garlic
78	Ginger
79	Gins
80	Gloves
81	Grape
82	Green apple
83	Green bananas
84	Green peas
85	Green pepper
86	Grenadine
87	Hair cups
88	Ham
89	Heat resistant Gloves
90	Honey
91	Inedible garnishes
92	Irish Potatoes
93	Italian seasonings
94	Jam
95	Juices
96	Ketchup
97	Lean meat
98	Leeks
99	Lemons
100	Lettuce
101	Liquid soap
102	Liquors
103	Macaroni
104	Maize flour
105	margarine
106	Mayonaise
107	Milk Powder
108	Minced meat
109	Mint
110	Mints
111	Mozzarella cheese
112	Muscador
113	Mushroom
114	Mustard
115	Noodles
116	Oils
117	Omo

118	Onions
119	Oregano
120	Papaya
121	Paper rolls
122	Parsley
123	Passion Fruits
124	Peas
125	Plain yogurt
126	Pumpkins
127	Raspberry
128	Raw milk
129	Red bell pepper
130	Red bull/energy drinks
131	Red meat
132	Red paprika
133	Rice
134	Rosemary
135	Rums
136	Salt
137	Sausage
138	Sea foods
139	Servielletes
140	Sesame
141	Sodas /limonades
142	Soy sauces
143	Spaghetti
144	Sponges
145	Strawberries
146	Sugar
147	Sukumawiki
148	Sweet Potatoes
149	Syrups
150	Tea bags
151	Tea masala
152	Tomato paste
153	Tomatoes
154	Tooth pick
155	Tree tomatoes
156	Turmeric
157	Turnips
158	Tyme
159	Vinegar
160	Vodka
161	Watermelon
162	Whiskies
163	White meat
164	Wines
165	Yams
166	Yeast
167	Yellow Bananas
168	Soaps
169	Squashes

11. Trade: Food Processing

11.1. List of core competences with practical requirements

#	Competence title
1	Receive raw milk
2	Make baked pastries
3	Produce fermented milk
4	Produce soymilk and tofu
5	Process fruits into jam, jelly and marmalade
6	Make fried pastries
7	Process fruits into nectar and squash
8	Conduct food hygiene and safety practices
9	Process honey
10	Apply basic knowledge in food processing
11	Produce fresh meat
12	Produce pasteurized milk
13	Describe the use and control of microorganisms in food processing
14	Make fruits and vegetables wine
15	Make sausage and meat ball
16	Produce powder spices
17	Make chilli sauce
18	Make bread
19	Process paddy rice into milled rice
20	Process roots and tubers into flour
21	Process cereal grains into flour
22	Make cream and butter
23	Make semi-hard cheese
24	Make Tomato paste and ketchup
25	Analyze physicochemical properties of food
26	Make pasta
27	Make dried fruits and vegetables
28	Process coffee cherries into parchment and ground coffee
29	Produce vinegar and spirit
30	Process roots and tubers into starch and crisps
31	Process sugarcane into sugar
32	Process tea leaves into tea products
33	Process raw milk into powder
34	Produce ice cream
35	Integrate the workplace

11.2. Required Consumables

#	Item
1	Acetic acid
2	Acetobactor
3	Acetozym nutrient
4	Aflatoxine
5	Alcohol
6	Alkaline Phosphate kit
7	Ammonium bicarbonate
8	Analytical Caustic soda/sodium hydroxide
9	Annatto
10	Apple
11	Artificial casings
12	Ascorbic acid
13	Baking powder
14	Banana

15	Bee honeycomb
16	Beef meat
17	Beet root
18	Bentonite
19	Black pepper
20	Blue band
21	Butter
22	Cake garnishing kit
23	Calcium Chloride/ Magnesium Chloride
24	California Mastitis kit
25	Carcass Chicken
26	Carcass of beef
27	Carcass of goat
28	Carcass of pork
29	Carcass of sheep
30	Cassava roots
31	Caustic soda
32	Caw
33	Celery
34	Cellulase
35	Charcoals
36	Cheese starter culture
37	Chicken
38	Chilli
39	Chipsy
40	Chlorine
41	Cinamon
42	Citric acid
43	Cleaning sponge
44	Coffee cherries
45	Coffee packaging materials
46	Cooking gas
47	Cooking Oil
48	Corn starch
49	Cotton
50	Cow milk
51	Cow meat
52	Culture media
53	Cumin
54	Degreaser
55	Delta glucono lactone
56	Distilled water
57	Eggs
58	Essuis tous
59	Face mask
60	Flocculant
61	Food color
62	Fresh Pineapples
63	Garlic
64	Gas
65	Gloo mastic
66	Gloves
67	Goat
68	Goopy film
69	Golden Berry
70	Gram staining kit
71	Grape
72	Head cover
73	Honey
74	Icing sugar

75	Ikivuguto starter culture
76	Iodophores (Iodine and stabilizing agent)
77	Irish potatoes
78	Labelling paper
79	Lacto – weekly solution
80	Lacto-daily solution
81	Lemon
82	Lids and seals
83	Lime
84	Liquid soap
85	Maggi
86	Maize
87	Mango
88	Mango flavor
89	Margarine/Chips
90	Mesophilic Starter culture
91	Milk powder
92	Monosodium glutamate
93	Muscade moule
94	Napkin
95	Natural Casings
96	Nitric acid
97	Nitrite/Nitrate
98	Oil
99	Onions
100	Orange
101	Oxalic acid
102	Packaging material
103	Paddy rice
104	Papaya
105	Pepper
106	Parchment coffee
107	Parchment paper
108	Passion Fruits
109	Pectin
110	Pectinase
111	Pectorase
112	Pepper (chili)
113	Phenol phthalein
114	Phenolphthalein indicator solution
115	Phosphate
116	Pig
117	Pineapples
118	Pork meat
119	Potassium sorbate
120	Powder soap
121	Raw milk
122	Rennet
123	Rusk
124	Salt
125	Saw waste
126	Sodium benzoate
127	Sodium bicarbonate
128	Sodium carbonate (washing soda)
129	Sodium hypochlorite
130	Solid Soap
131	Sorghum
132	Soybeans
133	Stabilizer

134	Strawberry
135	Strawberry flavor
136	Sugar
137	Sugarcane
138	Sulphuric acid
139	sweet potatoes
140	Tea leaves
141	Thermophilic Starter culture
142	Tilly
143	Tofu cloth/ sieve
144	Tomatoes
145	Tree tomatoes
146	Vanilla flavour
147	Vegetable cooking oil
148	Vim for disinfecting
149	Vinegar
150	Vinegor yeast
151	Watermelon
152	Wheat flour
153	White pepper
154	Wine sweetner
155	Yeast
156	Yeast for wine
157	Yoghurt packaging materials
158	Yoghurt stabiliser
159	Yoghurt starter culture

12. Trade: Forestry

12.1. List of core competences with practical requirements

#	Competence title
1	Plant tree
2	Maintain tree
3	Establish nursery
4	Demonstrate basic knowledge on plant biology
5	Collect topographic data
6	Operate forest tools and equipment
7	Apply fertilizers
8	Collect tree planting material
9	Control soil erosion
10	Describe tree Species
11	Apply basic principles of Agroforestry
12	Conduct Forest Protection
13	Conduct Forest Harvesting
14	Apply fundamentals of Forest Inventory
15	Perform tree vegetative propagation
16	Apply basic knowledge of soil science
17	Implement Forest Policy, laws and regulations
18	Assess the physical properties of wood
19	Assess bio-chemical properties of wood
20	Construct forest pathways
21	Harvest forest
22	Perform timber conversion
23	Make wood charcoal
24	Carry out forest extension
25	Elaborate forest management plan
26	Apply basics of GIS in Forestry
27	Establish forest roads
28	Manage forest
29	Convert tree into poles
30	Convert tree into sawn timber
31	Manage timber by-products
32	Conduct forest extension
33	Integrate the workplace

12.2. Required Consumables

#	Item
1	Antiseptic gel
2	Bamboo
3	Binding wire
4	Brushes
5	Cables
6	Cement
7	Cuttings and suckers
8	Dry cell batteries
9	Fertilizers
10	Forest technical card
11	Fuel
12	Fumigants
13	Galvanized wires
14	Gravel
15	Grease
16	Innoculum

17	Insecticides
18	Iron rod
19	Lime
20	Logs
21	Lubricants
22	Mulch
23	Mychorhized soil
24	Nails
25	Paint
26	Pegs
27	Pesticides
28	Pins
29	Pipes
30	Polyethylene bags
31	Rope
32	Sacks
33	Sand
34	Sawdust
35	Shade net
36	Stone
37	Timber Planks
38	Tree seedlings
39	Tree seeds
40	Trees marker
41	Warning tape
42	Wire mesh

13. Trade: Interior Design

13.1. List of core competences with practical requirements

#	Competence title
1	Demonstrate knowledge of interior design materials
2	Develop Technical Drawing
3	Prepare Project Presentation
4	Implement Color Concept
5	Apply Tiles
6	Execute Molding and Skirting
7	Perform Interior Carpentry
8	Perform Soft Furnishing
9	Estimate Cost
10	Manage contract
11	Perform Interior Space Assessment
12	Comply With Interior Space Safety Measures
13	Build Partitions
14	Perform CAD Rendering
15	Produce Drawings Using CAD Software
16	Fabricate Doors and Windows
17	Perform Interior Decoration
18	Make Interior Design Model
19	Apply Upholstery Techniques
20	Design residential kitchen and bathroom
21	Design furniture
22	Design wall and floor finishing
23	Install soundproof system
24	Design exhibition stand features
25	Design interior lighting effects
26	Design ceiling
27	Integrate the Workplace

13.2. Required Consumables

#	Item
1	Acrylic paint
2	Adhesive tape
3	Adhesives
4	Admixtures
5	Aluminium
6	Anchors
7	Arts works
8	Assorted curved needles
9	Beads
10	Bolts and nuts
11	Branding accessories
12	Bristol paper
13	Brushes
14	Building line/String
15	Cabinet handles
16	Cabinet hinges
17	Cabinet lockers
18	Cardboard
19	Cardstock paper
20	Carpets
21	Cement
22	Chipboard
23	Clamps
24	Clay
25	Clips
26	Coarse aggregates
27	Colouring powder
28	Compressed board
29	Concrete
30	Concrete spacers
31	Copper sheet metal
32	Corner profile
33	Corners
34	Cotton
35	Cupboard wheels
36	Curtain rod
37	Cutting disk
38	Cutting matt blades
39	Divider strips
40	Door mirror
41	Door Stopper
42	Drawing leads
43	Drill bits
44	Drilling bits
45	Electrodes
46	Epoxy
47	Eraser
48	Eyelets
49	Fabric
50	Facing Bricks
51	Filler metals
52	Fire extinguisher

53	First aid kit
54	Flat bars
55	Foam/Mousse
56	Glass
57	Granite
58	Grey Cement
59	Grinding disc
60	Gypsum
61	Gypsum plaster
62	Gypsum powder
63	Hack saw blade
64	Handles
65	High-Density Fiberboard
66	Hinges
67	Hollow tubes
68	Insulator tape
69	Knobs
70	Lacquer Glass
71	Laminates
72	Lamp holder
73	Lamps
74	Languette
75	Latches/plug
76	Latex paint
77	Leather
78	Lighting accessories
79	Lights fixtures
80	Lime
81	Liquid acrylic
82	Lockers/cupboards
83	Lockers/doors
84	Manilla sheet
85	Marble chips
86	Masking tape
87	Mastic for glass
88	Mastic polyester
89	Mattress
90	MDF
91	Metal Cutting disk
92	Mirror
93	Nails
94	Opaque /Coloured Glass
95	Ornamental gravels
96	Paint
97	Particle Boards
98	Pins
99	Plastic glass
100	Plastic molding strips
101	Plastic roller tray
102	Plasticizers
103	Plywood
104	PVC graphics
105	Quartz
106	Rags
107	Rollers

108	Rubber
109	Rugs
110	Safety Goggles
111	Sand
112	Sand paper
113	Sanding block
114	Sanding sealer
115	Screws
116	Screws -carbon steel
117	Screws-black
118	Semi leather
119	Sewing Needles
120	Silicon
121	Silicone edge
122	Silk
123	Sliding support
124	Socket
125	Stain
126	Staples
127	Steel (L)
128	Steel (sheet)
129	Steel (T)
130	Steel (tubes)
131	Steel sheet metal
132	Stone plastic composite
133	Stone varnish
134	Stones
135	Structural Plastics
136	Stucco
137	suede
138	Super Glue
139	Switches
140	Tangit glue
141	Terrazo stones
142	Thinner
143	Threads
144	Tile Adhesives
145	Tile cutter blade
146	Tile cutting pen
147	Tile Spacers
148	Tiles
149	Timber
150	Tracing Paper
151	Tracks
152	Varnishes
153	vinyl sheets
154	Vinyl tile
155	Wall Carpet
156	Wall master
157	Wall papers
158	Warning tape
159	Welding electrode
160	White Cement
161	Wood
162	Wood glue

163	Wood veneer
164	Wood wax
165	Wool

14. Trade: Land Surveying

14.1. List of core competences with practical requirements

#	Competence title
1	Apply hygiene and safety precautions measures
2	Identify surveying tools and equipment
3	Apply surveying communication language
4	Read and interpret technical drawing
5	Measure linear distance
6	Perform leveling surveys
7	Measure angles
8	Perform building set out
9	Apply autocad basic skills
10	Prepare surveying project quantities and cost estimates
11	Produce surveying technical report
12	Carry out basic surveying project planning
13	Perform coordinate measurement
14	Apply AutoCAD and Covadis software in surveying project
15	Perform Earthwork Computation
16	Apply GIS in mapping
17	Perform surveying computation and adjustment
18	Set out building structures
19	Apply Land Law And Regulations
20	Perform surveying of civil structures
21	Perform mine surveying
22	Apply Remote Sensing Technology
23	Conduct hydrographic surveying
24	Perform cadastral surveying
25	Maintain surveying laboratory
26	Integrate the workplace

14.2. Required Consumables

#	Item
1	Battery
2	Beacons
3	Building line
4	Building line/String
5	Chalk Line
6	Flags
7	Gravel/Concasse
8	Grey Cement
9	Hack saw blade
10	Lubricant Oil
11	Masking tape
12	Nails
13	Paint
14	Paint brushes
15	Rechargeable piles
16	Sand
17	Steel bar
18	Thinner
19	Timber
20	Warning tape
21	Wooden glue

22	Wooden Pegs
----	-------------

15. Trade: Manufacturing Technology

15.1. List of core competences with practical requirements

#	Competence title
1	Apply technical drawings
2	Apply basics of electricity
3	Perform bench work
4	Perform Bending Operation
5	Perform Rolling Operation
6	Perform Punching Operation
7	Perform Drilling Machine Operation
8	Perform basic sand casting
9	Assemble Aluminium profiles
10	Perform metal cutting
11	Perform SMAW on Mild steel
12	Perform oxy acetylene gas welding on mild steel
13	Perform mechanical fastening
14	Machines Preventive Maintenance
15	Estimate cost
16	SolidWorks design
17	Lathe machine operation
18	Forging operations
19	Spot welding
20	SMAW on aluminium, stainless and cast-iron
21	Oxy-acetylene gas welding on aluminium, stainless and cast-iron
22	Assemble product components/Manufactured Parts
23	Make Mould Pattern
24	Integrate the workplace

15.2. Required Consumables

#	Item
1	Abbrassive pad
2	Acetylene re-filling
3	Allen keys
4	Aluminium bar
5	Aluminium electrodes
6	Aluminium ingot
7	Aluminium paint
8	Aluminium profiles
9	Aluminium steel Sheet metal
10	Aluminium steel Sheet metal
11	Angle bar
12	Angle grinder carbide / Charbon
13	Anti-rust paint
14	Argon gas re-filling
15	Bloom
16	Bolts and nuts
17	Brazing rod ,Copper brazing rods
18	Carbide cutting tools clamped for turning
19	Charcoal
20	Circular saw blade / disc

21	Clear glass
22	Cloth rugs
23	CNC turning tools
24	CO2 gas re-filling
25	Copper brazing flux, powder
26	Cutting disc for big angle grinder
27	Cutting disc for cutt off machine
28	Cutting fluid / Coolant
29	Cutting tools for turning
30	Door hinges
31	Drill bits
32	Dust mask
33	Earmuffs / ear plug
34	Electrical installation wires
35	Electrical installation wires
36	Electrical junction box
37	Electrical single phase socket
38	Electrical three phase socket
39	Electrode
40	FCAW Welding electrode
41	Filter glass
42	Fire extinguisher
43	First Aid kits
44	Flat bar ,Mild steel
45	Flux coating
46	Galvanized steel metal pipes
47	Grease
48	Grinding disc
49	Grinding wheel / smoth
50	Handles
51	Headgear Replacement for Welding Helmet
52	Helium gas re-filling
53	HS Profile
54	Hydraulic oil for pump , valves and actuators
55	Jig saw blades
56	Knurling tools for turning
57	Liquid soap
58	Loovers ,Mild steel
59	Manual Milling cutter
60	Mastic P38
61	Metal bolts
62	Metal Grease
63	Metal marking-out chalk
64	Metal pipes
65	Metal saw blades
66	MIG/MAG Welding electrode
67	Mild steel bar
68	Mild steel electrode
69	Mild steel Sheet metal
70	Mild steel U Profile
71	Molding sand
72	Multi-purpose brazing flux
73	Nails
74	Oil Resistant and Waterproof hand Gloves
75	Overall
76	Oxy-acetylene Cutting torch
77	Oxygen re-filling
78	Painting brush
79	Petrol
80	Planche de Live / Planche profile, Mild steel

81	Polishing paper
82	Powder (adhesives)
83	Power saw blades
84	Profile bouteille
85	PVC plastic pipe
86	Red oxide paint
87	Rivets
88	Round bar, Mild steel
89	Sand paper
90	Sand paper / Circular form
91	Saw blades for power hacksaw
92	Sheet metal ,Mild steel
93	Socket boxes
94	Sparklighter
95	Stainles steel Shaft
96	Stainles steel Sheet metal
97	Stainless profiles
98	Stainless steel electrodes
99	Stainless steel filler Rod / Filler m+C125:C177etal
100	Stainless steel metal pipes
101	Stainless steel metal plate / sheet
102	Stainless steel Round tube
103	Stainless steel sheet metals
104	T bar
105	Tape measure / measuring tape
106	Thinner
107	Toile isolante
108	Topis for router machine
109	Tubes, Mild steel
110	Tungstein electrodes
111	Washers
112	Welding electrode holder / Pince se soudure
113	Welding glooves
114	Window Hinges

16. Trade: Multimedia Production

16.1. List of core competences with practical requirements

#	Competence title
1	Apply design fundamentals
2	Describe animation fundamentals
3	Apply artistic drawings
4	Edit video
5	Edit sound
6	Images editing
7	Apply video effects
8	Graphic designs production
9	Operate camera
10	Produce technical drawings
11	Perform Advanced drawing
12	Develop script
13	Capture photographs
14	Create 2D digital props
15	Design layout
16	Manage lighting
17	Design a 2D character
18	Record Sound
19	Create a storyboard
20	Develop animation background
21	Produce Motion Graphics
22	Design User interface
23	Perform Video Production
24	Reinforce Live Sound
25	Mix Audio
26	Create 2D animation
27	Perform 3D Modeling
28	Design Metaverse, XR and Game Applications.
29	Integrate the workplace

16.2. Required Consumables

#	Item
1	Meta Quest 3 All-in-One VR Headset (512GB storage, Resolution: 2064 x 2208, Processor: XR2 Gen 2 Snapdragon Processor, Sound: Built-In 3D Spatial Audio, Compatibility with All Quest Apps & Games, MP applications, Battery: Up to 2 hours, Connectivity: Wi-Fi 6, Bluetooth 5.0, Refresh Rate: >=90 Hz
2	Batteries for Controllers
3	Camera bag
4	Camera battery
5	Cleaning cloth
6	Cleaning solution
7	Cleaning supplies
8	Color Swatch Books
9	Design Books and Magazines
10	Design Paper
11	Diffuser
12	Disposable Hygiene Covers for Headsets
13	Disposal wipes
14	Drafting pencils
15	Drafting tape
16	Eraser
17	Eraser
18	Game Discs or Digital, Game Codes
19	Game-specific Peripherals

20	Ink Cartridges and Toner
21	Internet cable
22	Labeling materials
23	Memory card reader
24	Microphone cable
25	Paint
26	Painting brushes
27	Paper Clips
28	Pop filter
29	Power supply
30	Printer cartridges
31	Replacement Cables or Adapters,
32	Screen Protectors for Mobile Devices
33	Sensors
34	Sketchbooks
35	Sticky Notes
36	Templates
37	Tracing paper
38	Wind shield
39	XLR, RCA, Jack cables, Ethernet cables

17. Trade: Music and Performing Arts

17.1. List of core competences with practical requirements

#	Competence title
1	Read and write music notation
2	Interpret Basic Repertoire of Rwandan Traditional and Modern Traditional songs
3	Maintain music instruments and repair
4	Integrate music traditions
5	Write song lyrics
6	Operate music stage lighting
7	Mix live audio and sound
8	Apply electric and acoustic guitar fundamentals and techniques
9	Apply piano and synthesiser fundamentals and techniques
10	Apply drums and percussion fundamentals and techniques
11	Apply foundations of singing
12	Apply bass guitar fundamentals and techniques
13	Apply basic principles of music production
14	Apply brass fundamentals and techniques
15	Apply Woodwinds fundamentals and techniques
16	Apply basic elements of Theatre and dance.
17	Apply Advanced Music theory
18	Apply Elementary Mathematical Analysis
19	Apply Mechanics and Waves
20	Integrate Music Business Skills
21	Develop electric and acoustic guitar techniques
22	Develop piano and synthesiser techniques
23	Develop drums and percussion techniques
24	Develop bass guitar techniques
25	Sing popular music
26	Develop music production techniques
27	Develop brass Instruments techniques
28	Develop woodwind Instruments techniques
29	Develop theatre and dance performing techniques
30	Integrate music Technologies
31	Apply music innovation
32	Arrange music
33	Perform Gakondo music

34	Compose music
35	Produce music
36	Apply Jazz vocal performing techniques
37	Master electric and acoustic guitar performing techniques
38	Master piano and synthesizer performing techniques
39	Master bass guitar performing techniques
40	Master drums and percussion performing techniques
41	Master brass instruments performing techniques
42	Master woodwind instrument performing techniques
43	Master theatre and dance performing techniques
44	Master theatre and dance performing techniques
45	Integrate the workplace

17.2. Required Consumables

#	Item
1	1/4" TRS Cables
2	AC Adaptors/Power Supplies
3	Amacumu
4	Audio Cables
5	Basic Costume Pieces
6	Bass Drum Beater
7	Bass Guitar Strings
8	Batteries
9	Batteries for mic
10	Bore Oil
11	Brush Rods
12	Cable connectors
13	Cleaning Kit
14	Cleaning oil
15	Cleaning Snake
16	Cork Grease
17	Drum key
18	Drum Keys
19	Drum skin
20	Drumsticks
21	Electric cables
22	First Aid Kit
23	Fuse
24	Guitar Picks
25	Guitar Strap
26	Guitar Strings
27	Gymnastics Mats
28	Head Pack
29	Headphone Extension Cable
30	Ibitako
31	Imirishyo
32	Ingabo
33	Inkindi
34	Instrument Cables
35	Instruments cables
36	Jack cables
37	Key Oil
38	Mallet Assortment
39	Mouthpiece Brush
40	Music sheet

41	Music Stands
42	Pad Cleaning Paper
43	Picks
44	Polishing Cloth
45	Pop filter
46	Power Strip/Surge Protector
47	Prop Box
48	Reeds
49	Slide Cleaning Spray
50	Slide Grease
51	Snare Wires
52	Soldering Iron/different head tips
53	String Winder
54	Swabs
55	Theatre Blocks/Platforms
56	Theatre Makeup Kit
57	Tuner & Metronome
58	Tuning pegs
59	Umugara
60	USB Cables
61	Valve Oil
62	Vocal Steam Inhaler
63	Water Pitchers & Cups
64	XLR, RCA, Jack cables, Ethernet cables
65	Accessories (LED lights, XLR connectors, Jack to jack connectors)

18. Trade: Networking and Internet Technologies

18.1. List of core competences with practical requirements

#	Competence title
1	Apply network fundamental
2	Apply C programming fundamentals
5	Setup LAN
6	Install IoT system
7	Install CCTV system
8	Setup VoIP system
9	Set up wireless network indoor
10	Develop Database
11	Apply Basics of Technical Drawing
12	Develop IoT system
13	Deploy fiber optics network
14	Set up wireless network outdoor
15	Set up Wide Area Network
16	Administer windows server
17	Develop IOT web application using PHP
18	Apply Python Programming Fundamentals
19	Apply Machine Learning Fundamentals
20	Administer Linux Server
21	Apply Cyber Security
22	Apply Zero Client using Ncomputing Technology
23	Apply cloud computing Technology in Datacenter
24	Integrate the workplace

18.2. Required Consumables

#	Item
1	Cable Joints pack
2	CAT 6 Cable Roll UTP Cable
3	Circuit Wiring - 2.5 sq mm PVC sheathed single core cables
4	Cloud computing (Microsoft Azure IoT Suite, Google Cloud's IoT Platform,
5	Data outlet - CAT 6 UTP 4 8P T568-B standard single
6	RJ 45 CAT 6 Connector
7	IoT kit
8	RAM
9	Arduino uno board: ATmega328
10	Ultrasonic sensor
11	DHT Sensor(DHT22)
12	GAS (OXGYEN) SENSOR
13	Capacitive soil moisture sensor
14	Microcontroller with Wi-Fi for data collection and transmission
15	Licences to consume cloud services
16	CAT 6 UTP Cable Roll (300m)
17	Fiber optic cable
18	Fiber optic terminating accessories
19	RJ45
20	RJ11
21	RJ11 Data Double Socket Outlet
22	RJ45 end Cup (Connector Cover)
23	RJ45 Data Socket Outlet
24	Circuit Wiring 2.5mm
25	Cable Joints
26	Virtualization software

27	Soldering iron wire
28	RFID Cards
29	NFC Tags
30	Cable ties
31	Labelling tags
32	Soldering wire/tin
33	Labelling materials
34	Soldering Paste
35	Soldering Tin
36	Spare screws
37	Zip ties
38	Electrical tapes
39	Ethernet Cables
40	Foam cleaner
41	VGA
42	Voltage Regulator
43	HMDI cable

19. Trade: Plumbing Technology

19.1. List of core competences with practical requirements

#	Competence title
1	Perform Basic Electricity
2	Installation of House Drainage system
3	Perform Pipe Joining
4	Plan Plumbing Works
5	Install Sanitary Appliances
6	Maintain and Repair Plumbing Facilities
7	Perform Domestic Water Supply Installation
8	Plumbing basic welding
9	Basic technical drawing and AutoCAD
10	Installation of water distribution networks
11	Fuel gas system installation
12	Fire fighting system installation
13	Pumping system Installation
14	Hot water system installation
15	Apply basics of drawing with REVIT MEP software
16	Install water treatment system
17	Install wastewater treatment system
18	Install water features system
19	Install hydronic system
20	Install irrigation system
21	Integrate the workplace

19.2. Required Consumables

#	Item
1	Anchor Bolts
2	Angle valve
3	Ball tap
4	Ball valve GI
5	Ball valve PPR
6	Barb
7	Benzomatic cylinder
8	Bib tap
9	Bidet
10	Boiler
11	Bolts and Nuts

12	Boss white
13	Bottle trap
14	Bowl Urinals
15	Brazing Rod
16	Bulk tap head
17	Butt-Weld fittings
18	Cap GI
19	Cast iron pipe with flanged joint
20	Cast iron pipe with ring joint
21	Cement
22	Cement glue
23	Chalk
24	Chloramine
25	Chlorine
26	Chlorine dioxide
27	Chromium plated brass full bore ball valve
28	Circuit breaker
29	Clamps
30	Clips
31	Copper pipes
32	Coupler copper CXM
33	Coupler copper CXC
34	Coupler copper CXF
35	Cross fitting UPVC
36	Cross tee
37	Crossover
38	Cutting disc
39	Deg elbow
40	Drill bits
41	Elbow copper CXM
42	Elbow copper CXC
43	Elbow copper CXF
44	Elbow GI
45	Elbow HDPE
46	Elbow PPR
47	Elbow PVC
48	Elbow UPVC
49	Elbows
50	Electrical Cables
51	Electrical pipe
52	Electrical Wires
53	Emitter
54	End cap
55	Equal T piece
56	Filler rod
57	Filler rods
58	Fine Yarn
59	Fire extinguisher
60	First aid kit
61	Flange Adapter HDPE
62	Flanged coupling
63	Flanged cross tee
64	Flanged elbow
65	Flanged reducer
66	Flanged tee
67	Flexible pipe
68	Flexible trap /siphon flexible
69	Float valve
70	Fuel
71	Fuse

72	Galvanised pipe
73	Galvanized sheet
74	Ganga pipe
75	Globe valve
76	Gravel
77	Grooved coupling
78	Hack saw blade
79	Hacksaw blade
80	HDPE Pipe
81	High Density Polyethylene/HDPE pipe
82	Insulating tape
83	Jointing compound
84	Lamp holder
85	Lamps
86	Mixer tap
87	Nails
88	Nipple ganga
89	Nipple GI
90	Nipple UPVC
91	Non return valve
92	P trap /siphon, Shower tray
93	Paint
94	PE Pipe
95	Pesticide
96	PEX pipe/ 15mm dia
97	PH indicator
98	Pig tap
99	Pillar tap for bassin
100	Pillar tap for sink
101	Pipe clips
102	Pipe plug GI
103	Plastic water tank
104	Pool filters
105	Pool heat pump
106	Pool light
107	Pool main drain
108	Pool skimmers
109	PPR pipe
110	PVC pipe
111	PVC Tee
112	Quick couplers
113	Reagent
114	Reducer GI
115	Reducer HDPE
116	Reducer PPR
117	Reducer PVC
118	Reducer UPVC
119	Reducing socket Ganga
120	Reducing socket PPR
121	Reducing tee piece
122	Return Nozzles
123	River stones
124	Rubber
125	Saddle Clamp
126	Sand media 2A
127	Sand media 2C
128	Screws
129	Seal Tape
130	Shower head
131	Shower mixer tap

132	Shower tray
133	Silicon
134	Sink
135	Skimmers
136	Socket Adapter PPR
137	Socket ganga
138	Socket HDPE
139	Socket outlet
140	Socket PPR
141	Socket PVC
142	Socket UPVC
143	Soldering Flux
144	Solenoid valves
145	solvent cement
146	Sprinklers
147	Stainless steel pipe
148	Stop end cap
149	String/rope
150	Switches
151	Tangit glue
152	Tank adapter
153	Tap
154	Tapped couplings
155	Tee fitting Copper CXCXC
156	Tee fitting Copper CXCXF
157	Tee fitting Copper CXCXM
158	Tee fitting GI
159	Tee fitting HDPE
160	Tee fitting PPR
161	Tee fitting PVC
162	Tee fitting UPVC
163	Tee ganga
164	Tee PPR
165	Thread rods
166	Thread seal tape
167	Timber beam (Madrien)
168	Union Adapter PPR
169	Union GI
170	UPVC Pipe
171	UPVC Pipes
172	Vacuum nozzle
173	W.C complet/Sitting
174	W.C complet/Squatting
175	Wall plate elbow
176	wall Plug
177	Warning tapes
178	Wash hand basin complet
179	Wash hand basin Nails
180	Water Drum
181	Water filters
182	Water proof light
183	Water tank
184	Water treatment chemicals
185	Welding electrode

20. Trade: Public Works

20.1. List of core competences with practical requirements

#	Competence title
1	Apply Public Works Hygiene and Safety Precautions
2	Establish Road Signs, Marking and Crush Barriers
3	Construct unpaved Roads
4	Conduct field excavation works
5	Construct drainage structures
6	Perform masonry works
7	Describe Public Works Resources
8	Perform unpaved road Maintenance
9	Construct Retaining walls
10	Set out Road Alignment
11	Perform Cement Concrete Works
12	Perform Concrete Tests
13	Perform Non Bituminous Pavements Construction
14	Perform Drainage System Maintenance
15	Perform Full Soil Identification And Insitu Dry Density Test
16	Perform Aggregates' Tests
17	Perform Non-bituminous pavements maintenance
18	Perform Cement Tests
19	Perform Surveying Data Collection And Setting Out
20	Apply Do Nou Technology In Earth Road Maintenance
21	Perform Steel Bar Works
22	Conduct Site Supervision of Public Works
23	Apply Auto - CAD Civil 3D Software
24	Construct bridge
25	Construct asphalt pavement
26	Construct Spring water supply and sewerage structures
27	Estimate cost in public works
28	Integrate the workplace

20.2. Required Consumables

#	Item
1	Acetylene gaz
2	Aggregate
3	Lubricants
4	Admixtures
5	Bitumen
6	Blocks
7	Building line
8	Burnt bricks
9	Chippings
10	Clay
11	Cleaning tissue
12	Cobble stone
13	DPM
14	Elbows
15	Faucets
16	Fertile soil
17	Filter paper
18	Fire extinguisher
19	First aid kit
20	Flower
21	Fly ash
22	Fuel

23	Gabion (Wired mesh)
24	Geosynthetics
25	Glue
26	Grasses
27	Gravels
28	Grease
29	Grey Cement
30	Grinding disc
31	Hack saw blade
32	Hard core Stones
33	Hollow tubes
34	Honey Combs
35	HSS circular saw blades
36	Kerbs
37	Laterite/Murram
38	Lime
39	Lubricating Oil
40	Masking tape
41	Mesh wires
42	Metal Cutting disk
43	Nails
44	Paint
45	Paraffine
46	Pavers
47	Plastic bags
48	Plasticizers
49	Plywood
50	Polypropylene bag
51	Precasted concrete kerbs
52	PVC high pressure glue
53	PVC Pipes (Sewerage)
54	PVC Pipes (Water supply)
55	Quarry dust
56	Reflectors
57	Reinforcement Steel bars
58	Sand
59	Sand papers
60	Screws

61	Sheet metal
62	Sprays/Marking Paints
63	Standard sand
64	Steel sheets
65	Steel wires
66	Stone base
67	Stones
68	Tap
69	Teflon tapes
70	Thinner
71	Timber
72	Tree plants
73	Valves
74	Warning tape
75	Water proof membrane
76	Welding electrodes
77	Welding gas

21. Trade: Renewable Energy

21.1. List of core competences with practical requirements

#	Competence title
1	Apply bench work to domestic electricity
2	Perform domestic electrical drawing
3	Apply basics construction skills
4	Apply basic domestic plumbing skills
5	Apply Fundamental of Electricity and Electronics
6	Make Briquette
7	Make improved cooking stove
8	Install electrical lighting and power sockets
9	Install power protection system
10	Install solar water heater
11	Install Photo Voltaic Home System
12	Apply measurement and instrumentation in renewable energy
13	Perform Basics of Networking
14	Apply Computer Aided Design
15	Install Electrical Rotating Machines
16	Apply basics of welding
17	Fabricate Solar Water Heater System
18	Construct solar PV power plant
19	Construct Biogas Plant
20	Install Briquette and Pellet plant
21	Fabricate Solar Dryer System
22	Install Solar Water Pumping System
23	Apply digital electronics fundamentals
24	Apply power electronic fundamentals
25	Wind electrical machines
26	Install electrical vehicle (ev) charging station
27	Operate hydropower plant
28	Install hydro turbine generator
29	Install Hydropower Plant Auxiliaries
30	Integrate the workplace

21.2. Required Consumables

#	Item
1	Ballast
2	Battery
3	Bolts and Nuts
4	Bricks
5	Cable trays
6	Cable trunk
7	Cement
8	Charcoal
9	Charge controller
10	Circuit breaker
11	Clay
12	Cole tangit
13	Collector glass
14	Conduits
15	Contactors
16	Copper pipe
17	Coude
18	Cutting disc
19	Digital logic probe
20	Distribution boxes
21	Door bell
22	Dry husk
23	Electrical connector
24	Electrical pipes
25	Electrical Wires
26	Electrode
27	Electromagnetic field meter
28	Electrostatic field meter
29	Evacuated tube
30	Filler metal
31	Fuse
32	Galvanized mild steel
33	Grinding disc
34	Hack saw blade
35	Heating Element
36	High voltage probe
37	Insulator tape
38	Junction box
39	Lamp holder
40	Lamps
41	Manchon
42	MC4 connectors
43	Metal sheets
44	Niple d'adaptation
45	Paint
46	Phase sequence indicator
47	Pipe Fittings
48	Pressure pipes
49	Push buttons
50	PV module
51	Racour Union
52	Rewinding wires
53	Round bar
54	Sand
55	Screws
56	Sealing tapes
57	Sheet metal

58	Socket
59	Starter
60	Steel bars
61	Stones
62	Stoves
63	Switches
64	Test leads probes
65	Tiles
66	Timber
67	Timers delay
68	Tubes
69	Twilight
70	Valves
71	Valves
72	Water pipes
73	Water Tap
74	Wire brushes
75	Wire clamps
76	Wire connector

22. Trade: Software Programming and Embedded Systems

22.1. List of core competences with practical requirements

#	Competence title
1	Design Electrical and Electronics Circuits using optical instruments
2	Design graphic user interface
3	Develop web user interface
4	Networking fundamentals
5	Apply Fundamentals of Programming using C
6	Develop web application using PHP
7	Develop web Application using Java script
8	Develop basic database
9	Perform Embedded C programming
10	Conduct Practical electronics
11	Perform Web service development
12	Introduce object oriented with JAVA
13	Apply Advanced JAVA
14	Conduct System Analysis and Design (SAD)
15	Apply Advanced Database development
16	Apply Advanced networking
17	Deploy Applications
18	Demonstrate Skills in Software Engineering
19	Understand the project management techniques
20	Apply software testing
21	Develop and Maintain mobile application
22	Apply Network Security Principles
23	Develop web3 application
24	Integrate embedded systems software
25	Apply fundamentals of OOP with java
26	Perform Advanced Networking
27	Develop Advanced Database
28	Develop Software using Advanced JAVA
29	Apply data structures and algorithms using C++
30	Develop 3D mode
31	Develop Project
32	Integrate the workplace

22.2. Required Consumables

#	Item
1	Typing software --- (Typing Master pro, Rapid Typing)
2	2.8 Inch Display Screen ESP-32S ESP-WROOM-32
3	3D Printing Consumables ABS, PLA
4	Smart Robot Car Chassis Kit for Arduino
5	9V Battery
6	A9G GSM/GPRS+GPS Development Board
7	Arduino Ethernet shield
8	Battery/cells
9	BN220 GPS module 3.0V-5.0V TTL level GNSS
10	Breadboard
11	Capacitors, Capacitor 4.7 μ F
12	Car Motor Robot
13	Charging cable
14	DC Gear Motor+wheels smart car set
15	Diodes, 1N4730 Zener Diode 3.9V 1W
16	Drone Frame Rack Kit with Landing Gear Propeller Protective
17	Electrical tapes
18	ESP32 CAM Development Board with OV2640 Module
19	ESP32 Microcontroller
20	Ethernet cable
21	Foam cleaner
22	GPS Antenna Car DVD Navigation Adapter Connector
23	InnoKit MPK NT A101 30 Experiments Arduino Starter Kit
24	Keyestudio 4WD Mecanum Robot Car For Arduino STEM Smart Kit
25	Li-Po Battery
26	Microcontroller
27	Motor Shield
28	Motors
29	Networking cable (CAT 6)
30	OV2640 Camera Module
31	Quad band GSM Antenna
32	Raspberry Pi 5 accessories
33	Resistor
34	RJ45 Connector
35	Sensors for robots
36	Smart Car Mixly Kit Stem Maker Teaching Aid Compatible With Arduino Robot.
37	Stepper Motor
38	Transistor
39	Zip ties
40	Ultrasonic Sensor

23. Trade: Tourism

23.1. List of core competences with practical requirements

#	Competence title
1	Booking Tour services
2	Booking Travel Services
3	Processing Reservation
4	Providing tourism information and advice
5	Constructing basic airfare
6	Coordinating travel arrangements
7	Booking outdoor recreation activities
8	Coordinating outdoor activities
9	Providing event protocol services
10	Handling ground Services
11	Handling post event activities
12	Interpreting Rwandan culture and historical heritage
13	Providing on-site assistance
14	Coordinating community based tourism activities
15	Providing guidance on Rwanda as destination
16	Interpreting flora and fauna
17	Providing resort tourism services
18	Providing assistance to tourism actors
19	Description of Geographical Features In Rwanda
20	Developing tour packages
21	Promoting tour packages
22	Performing tour guide services
23	Managing tour package
24	Developing tourism promotional materials
25	Providing first aid services
26	Maintaining airline customer services
27	Integrate the workplace

23.2. Required Consumables

#	Item
1	First Aid kits
2	Fresh milk
3	Sorghum
4	Fresh maizes
5	Yellow bananas
6	Study trip facilities (Fuel, car hire, Entrance fees)

24. Trade: Water and Irrigation

24.1. List of core competences with practical requirements

#	Competence title
1	Apply Preliminary pumping activities
2	Apply Preliminary pressurized irrigation system
3	Maintain drip irrigation infrastructure
4	Maintain pumping system
5	Maintain Pressurized irrigation system
6	Operate pump
7	Operate surface irrigation system
8	Maintain surface irrigation
9	Operate surface drainage
10	Join pipes
11	Establish surface irrigation system
12	Implement the plan of drip irrigation schedule
13	Install drip irrigation system
14	Install sprinkler irrigation system
15	Operate drip irrigation system
16	Operate sprinkler irrigation system
17	Participate in irrigation community mobilization
18	Construct surface drainage infrastructures
19	Perform Advanced maintenance of Pumping System
20	Establish Water Harvesting Systems
21	Install Water Pumping System
22	Apply basics of cropping techniques
23	Manage water use
24	Integrate the workplace

24.2. Required Consumables

#	Item
1	Air Release valve
2	Ball Valve
3	Barb Connector
4	Brass Nozzel Sprinkler
5	Butterfly valve (Metal)
6	Cement
7	Disc Filter (Plastic)
8	Elbow
9	Elbow - 45 Degrees
10	End Cap
11	Female Threaded Adapter
12	Fertilizers
13	Flush Valve
14	Fuel
15	Gate valve of HDPE type or polytilene
16	GI Elbow
17	GI Nipple
19	GI Reducer
20	Glyserine Pressure Gauge
21	HDPE conectors Female and Male
23	HDPE Pipe
24	HDPE reduce connectors
25	Header Assembly/Manifold (Metal)
26	Header Assembly/Manifold (Plastic)

27	Hydrocyclone filter
28	Inline Lateral/Dripline
29	Joiner/ connector/reducer
30	Latch Type HDPE Bend/Elbow
31	Latch Type HDPE End Cap
32	Latch Type HDPE Tee
33	Latch Type HDPE Tee
34	Latch Type Pump Connector
35	Light Steel Latch Coupling HDPE Pipes
36	Light Steel Latch Coupling HDPE Pipes
37	Male Threaded Adapter
38	Metallic gate valve
39	Non return valve
40	Online Drippers/Emitters/Wood Peckers
41	Online/Plain Lateral
42	Pesticides
43	Plastic Nozzle Sprinkler (Micro Sprinkler)
44	Plastic Nozzle Sprinkler (Mini Sprinkler)
45	Polytube for barb connectors
46	Pressure gauge cock
47	PVC Pipes
48	PVC Reducing Bush
49	PVC Solvent/Glue
50	QPC HDPE Bend/Elbow
51	QPC HDPE End Cap
52	QPC HDPE Tee
53	QPC Pump Connector
54	Quick Coupling HDPE Pipes
55	Rubber Grommet
56	Sand
57	Screen Filter (Plastic)
58	Seeds
59	Service Saddle Clamps
60	Start Connector
61	Start Connector/Take off
62	Stones
63	Straight Connector/Joiner
64	Tail Piece with metal Flange
65	Tee
66	Tee HDPE type or polyester
67	Tee HDPE type or polyethylene

25. Trade: Wood Technology

25.1. List of core competences with practical requirements

#	Competence title
1	Construct wooden roof
2	Make partition walls, wooden floors and ceilings
3	Construct wooden staircases
4	Install cupboards and shelves
5	Demonstrate knowledge of basic electricity
6	Make technical drawings and estimate costs
7	Operate woodworking machines and use hand tools
8	Plan for woodworking machines installation
9	Maintain woodworking machines
10	Construct wood joints

11	Make movable wooden furniture and furnishing elements
12	Finish wooden furniture
13	Use AutoCAD software
14	Operate a wood kiln
15	Operate a wood moulder machine
16	Produce engineered wooden beams
17	Produce engineered boards
18	Create a wooden art style
19	Maintain industrial woodworking machines
20	Produce wooden sitting and resting furniture
21	Produce wooden doors and windows
22	Produce wooden storage furniture
23	Perform wood surface treatment
24	Dry timber and poles
25	Apply basics of SOLIDWORKS software in furniture design
26	Assist in wood workshop management
27	Integrate the workplace

25.2. Required Consumables

#	Item
1	Adhesive tape
2	Adhesives
3	Adjustable cabinet foot leg
4	Adjustable cabinet leg
5	African Mahogany (Libuyu)
6	Angle bracket
7	Bees wax
8	Bits
9	Blanket
10	Bolts and nuts
11	Brushes
12	Cabinet handle
13	Cabinet magnets
14	Cheap board
15	Cleaning cloth
16	Cleaning sponge
17	Corner pillate
18	Cutter knives
19	Cutting saw blades
20	Cypress
21	Drawer slides (runners)
22	Drawing pencils
23	Eucalyptus timber
24	Extra firm high density foam (BEF)
25	Fabrics
26	Fiberboard
27	Formica veneer
28	Fuel
29	Glides
30	Glue
31	Grease
32	Gypsum board
33	Handles
34	High density foam
35	Hinges
36	Hole saw set
37	Knobs
38	Lacquer

39	Locks
40	Lubricant
41	Marine boards
42	Matress
43	MDF
44	Nails
45	Oak (Muvula)
46	Oils
47	OSB/Hard board
48	Paints
49	Pine timber
50	Pins
51	Plywood
52	Poles
53	Putty/ filler
54	Resins
55	Rollers
56	Ropes
57	Sand paper
58	Sanding disc
59	Sanding sealer
60	Sanding siller
61	Screws
62	Sewing needles
63	Shellac
64	Silber gleit
65	Silicone
66	Smoothing paper
67	Stains
68	Steel/ galvanized wire
69	Styrofoam for insulation
70	Thinner
71	Varnishes
72	Wall plugs
73	Wax
74	Wood preservatives
75	Wooden Dowels
76	Stapples
77	Saw blades
78	Wood PVA
79	Dowels
80	Biscuits
81	First Aid kit (box)

26. Trade: Software Development

26.1. List of core competences with practical requirements

#	Competence title
1	Apply basic graphics design
2	Develop website
3	Apply JavaScript
4	Conduct Version Control
5	Analyze project requirements
6	Design UI/UX
7	Develop game in Vue
8	Perform Basics of Networking
9	Develop Database
10	Apply Data Structure and Algorithm Fundamentals using JavaScript
11	Design Backend System
12	Apply PHP Programming

13	Develop a Backend Application using Node.js
14	Perform Basic Windows Server Administration
15	Apply Quality Assurance
16	Apply Python Programming
17	Develop frontEnd using ReactJS
18	Apply Devops techniques
19	Develop Mobile Application using Flutter
20	Develop No SQL Database
21	Apply Fundamentals of Machine Learning
22	Apply Fundamentals of Blockchain
27	Integrate the workplace

26.2. Required Consumables

#	Item
1	Emulator: Andoid phone for mobile App development simulations
2	Mango DB Licence
3	CMS Webserver: Platform License(Hosting plan)
4	Software Licenses
5	Notepad++
6	Sublime text
7	Putty
8	Python
9	Kotlin
10	C/C++
11	React
12	PHP
13	Ruby
14	Java
15	Adobe DreamWeaver
16	VS code
17	Eclipse
18	PHPStorm
19	PyCharm
20	NetBeans

27. Trade: Carpentry/ Ububaji**27.1. List of core competences with practical requirements**

#	Competence title
1	Kumisha imbaho mu buryo bwa gakondo
2	Gukora inzugi n'amadirishya mu mbaho
3	Gukora ibikoresho by'ibanze mu mbaho
4	Gukora finisaje ku gikoresho kibaje
5	Gufunika ibikoresho bikoze mu mbaho
6	Gushushanya byoroheje no gukora igenagaciro
7	Gukoresha imashini n'ibikoresho by'intoki by'ububaji
8	Kwimenyereza umwuga

27.2. Required Consumables/ Ibikoresho bishira)

#	Item
1	Timber
2	Locks
3	Putty/filler
4	Nails
5	Tacks
6	Hinges
7	Nail gun
8	Plywood
9	Latch
10	Screws
11	Bolts and nuts
12	Rollers
13	Angle bracket
14	Sofa webbing elastic belts
15	Adhesives
16	Varnish
17	Sanding sealer
18	Thinner
19	Wall plugs
20	Paints
21	Cleaning sponge
22	Brushes
23	Staples nails
24	Adhesive tape (masking tape)
25	Grease
26	Lubrication oil
27	Ropes
28	Blanket
29	Sand paper
30	Sewing needles
31	Cross cutting saw blades
32	Rip cutting saw blade
33	Bits
34	Dowels
35	Glasses
36	Foams
37	Adhesives
38	Sewing thread
39	Wax
40	Resins
41	Shellac
42	Silicone
43	Stains
44	MDF

45	Pins
46	Glue

28. Trade: Culinary Arts

28.1. List of core competences with practical requirements

#	Competence title
1	Kwita ku isuku n'ubwirinzi byo mu gikoni
2	Gutegura salade n'imbuto
3	Gutegura umufa, isosi n'isupu
4	Gutegura amafunguro akomoka ku nyama, inkoko, amafi, n'amagi
5	Gutegura imboga, amakaroni, n'ibinyamafufu
6	Gutunganya ibikomoka ku ifarini
7	Kwimenyereza umwuga mu nganda

28.2. Required Consumables

#	Item
1	All purpose flour
2	Alumnium foil
3	Amaranth leaves (dodo)
4	Anchovy filet
5	Avocadoes
6	Baby marrow
7	Baking powder
8	Baking sheet
9	Banana plantains
10	Bananas
11	Bay leaves
12	Beans
13	Beef bones
14	Beef meat
15	Beetroots
16	Black olive
17	Black olives
18	Black pepper
19	Brown sugar
20	Butter
21	Cabbages
22	Capers
23	Carrots
24	Sweet Cassava
25	Cassava flour
26	Cayenne pepper
27	Celery
28	Cheese
29	Chicken meat
30	Chilli powder
31	Chocolate
32	Chocolate powder
33	Chocolate syrups
34	Cinamon
35	Cleaning sponge
36	Cling film
37	Cloves
38	Cocoa Powder
39	Coconuts
40	Coffee beans
41	Cooking Gas
42	Cooking oil
43	Cream
44	Cucumber

45	Wine
46	Peppers
47	Dish clothes
48	Dried oregano
49	Eggs
50	Electric mincer machine
51	Extracts
52	Fish fillet
53	Fish Masala
54	Fishes
55	Wheat Flour
56	Food color
57	French beans
58	Fresh Apples
59	Fresh carrot
60	Fresh Garlic
61	Fresh Pineapples
62	Fresh tomato
63	Fresh Tomatoes
64	Garlic
65	Ginger
66	Goat meat
67	Green vegetables
68	Green bananas
69	Green beans
70	Green peas
71	Green pepper
72	Heat resistant Gloves
73	Heavy Cream
74	Honey
75	Icing sugar
76	Inedible garnishes
77	Irish Potatoes
78	Seasoning
79	Apples
80	Ketchup
81	Kitchen clothes
82	Leavening Agents
83	Leeks
84	Lemons
85	Pinneaples
86	Lettuce
87	Liquid soap
88	Macaroni
89	Maggi
90	Maize flour
91	Mangoes
92	Mashed cassava leaves(Isombe)
93	Milk powder
94	Minced meat
95	Mint
96	Mozzarella Cheese
97	Mushroom
98	Mustard
99	Nuts
100	Sunflower Oil
101	Palm oil
102	Olive oil
103	Onions
104	Oregano

105	Papaya
106	Passion Fruits
107	Persley
108	Piping bags
109	Plantains (imizuzu)
110	Pork
111	Spagetti
112	Pumpkins
113	Raw milk
114	Red meat
115	Red onion
116	Rice
117	Fresh Milk
118	Rosemary
119	Salt
120	Sanitizers
121	Sea foods
122	Servielletes
123	Sezame
124	Sezame seeds
125	Soaps
126	Solid Soap
127	SOSOMA
128	Soy sauces
129	Spagetti
130	Spices
131	Spinach
132	Steel wire
133	Strawberries
134	Sugar
135	Sweet Potatoes
136	Syrups
137	Taro (amateke)
138	Tea bags
139	Tea leves (Rwanda Tea)
140	Tea masala
141	Tomato paste
142	Tomatoes
143	Toothpick
144	Tree tomatoes
145	Turmeric
146	Turnips
147	Tyme
148	Vanilla Extract
149	Vim
150	Vinegar
151	Waffle maker machine
152	Watermelon
153	White Onion
154	White sugar
155	Yams
156	Yeast
157	Yellow banana
158	Gloves
159	Liquid soap (all purpose)
160	Hair cups
161	Paperroll
162	Sezames
163	Cherries

29. Trade: Domestic Electricity

29.1. List of core competences with practical requirements

#	Competence title
1	Gukora ibikorwa rusange by'ubukorikori bikorerwa ku byuma n'inyubako zishyirwamo
2	Gukora ensitarasiyo z'amashanyarazi zo mu nyubako zitandukanye
3	Gukora ensitarasiyo ya sisitemu nto ikoresha ingufu z' amashanyarazi akomoka ku mirasire y'izuba
4	Gukurikirana no kubungabunga ensitarasiyo z' amashanyarazi.
5	Kwimenyereza umwuga

29.2. Required Consumables

#	Item
1	Ballast
2	Battery
3	Cable trunk
4	Capacitor
5	Charge controller
6	Circuit breaker
7	Circuit breaker
8	Conduits
9	Contactors
10	DIAC
11	Digital logic probe
12	Diodes
13	Distribution board
14	Door bell
15	Electrical bell
16	Electrical overload relay
17	Electrical pipes
18	Electrical wire
19	Electromagnetic field meter
20	Electrostatic field meter
21	Fluorescent lamp
22	Fuse
23	GTO
24	High voltage probe
25	IGBTs
26	Inductors
27	Insulator tape
28	Insulator tape
29	Junction box
30	Lamp holder
31	Lamps
32	Lightening arrestor
33	MCT
34	Motor shunt
35	Nails
36	Phase sequence indicator
37	Protection relay
38	Relays
39	Resistors
40	Rewinding wires
41	Rivets
42	Series motor
43	Socket
44	Starter
45	Surge arrestor single phase
46	Switch box
47	Switches
48	Transformers

49	Twilight
50	Wire clamps
51	Wire connector

30. Trade: Housekeeping Operations

30.1. List of core competences with practical requirements

#	Competence title
1	Ihitamo ry'ibikoresho n'imiti bikoreshwa
2	Ibikorwa byo kumesa no kumisha imyenda
3	Isuku yahantu hahurira abantu benshi
4	Ibikorwabisoza byo gutunganya imyenda
5	Kwimeneyereza umwuga

30.2. Required Consumables

#	Item
1	Air fresheners
2	All purpose cleaners
3	Bathroom cleaners
4	Bleache
5	Body soap
6	Carpet shampoo
7	Degreasers
8	Desinfectants
9	Enzymatic Stain Removers:
10	Fabric softener
11	Fabric softners
12	Floor care products
13	Furniture polishers
14	Glass cleaners
15	Gloves
16	Hand soap
17	Hand sanitizers
18	Hand gloves
19	Laundry stain removers
20	Laundry boosters
21	Laundry soap
22	Liquid soap
23	Multipurpose Stain Removers
24	Powder soap
25	Rust remover
26	Shaving kits
27	Shoe brushes
28	Shower gel
29	Toilet papers
30	Toilet renovator
31	Tooth brushes
32	Tooth past
33	VIM proof scouring powder bucket
34	Wood polishers

31. Trade: Fruit and vegetables production and processing**31.1. List of core competences with practical requirements**

#	Competence title
1	Assist in fruits and vegetables processing
2	Apply food Safety and Sanitation
3	Apply food preservation techniques
4	Assist in growing medium preparation
5	Maintain farm tools, equipment and facilities
6	Assist in horticultural crops production
7	Carry out small scale post-harvest operations

31.2. Required Consumables

#	Item
1	Seedlings
2	Seeds
3	Plant hormones
4	Nitric acid
5	Soap
6	Solid Soap (Tembo)
7	Stabilizer
8	Sugar
9	Chlorine
10	Cleaning sponge
11	Fresh Pineapples
12	Mangoe
13	Passion Fruits
14	Apple
15	Watermelon
16	Lemon
17	Sodium benzoate
18	Pectin
19	Sodium hypochlorite
20	Ammonium nitrate
21	Rhizobium (Innoculum)
22	Potassium sulphate
23	Fertilizer
24	Fungicides
25	Cypermethrin
26	Rocket
27	Alcohol
28	Pots
29	Pesticides
30	Rhizobium
31	Foliar Fertilizer
32	Planting material
33	Pegs
34	Liquid soap
35	Solid soap
36	Sugar
37	Chlorine
38	Napkin
39	Sponge
40	Powder soap
41	Sanitizer
42	Match
43	Citric acid
44	Acetic acid
45	Serviette
46	Dish towel

47	VIM
48	Raw fruits
49	Carrot
50	Beet root
51	Bentonite clay
52	Potassium metabisulfite
53	Wine packaging materials
54	Wine yeast
55	Bottle stopper
56	Corks
57	Caps
58	Chili pepper
59	Garlic
60	Onions
61	Sodium benzoate
62	Pectine
63	Food container
64	Scotch
65	Storage box
66	Battery cells
67	Gloves
68	Paper Glue
69	Potassium Sorbate
70	Carboxymetyl cellulose
71	Pectinase
72	Sodium hypochlorite
73	Fuel
74	Bottles
75	Cartons
76	Labels
77	degreaser
78	Quat (quaternary ammonium)
79	Iodophores (Iodine and stabilizing agent)
80	Peracetic acid, Peroxyacetic acid
81	Sodium carbonate (washing soda)
82	Citric acid and acetic acid
83	Oxalic acid

32. Trade: Hairdressing

32.1. List of core competences with practical requirements

#	Competence title
1	Koza mu mutwe
2	Kogosha umusatsi n'ubwanwa
3	Gutunganya inzara z'intoki n'iz'ibirenge
4	Gusokoza kupe ndende
5	Gutera amabara adatinda mu musatsi
6	Gusuka umusatsi na meshi
7	Kwimeneyereza umwuga

32.2. Required Consumables

#	Item
1	Brazilian thread
2	Hair Damy(mannequin)
3	Soft Hair extension
4	Afro hair extension
5	Almond oil
6	Olive Oil
7	Apricot Kernel oil
8	Castor oilfor hairgrowth
9	Grape seed oil for hairgrowth
10	Needles
11	Candle
12	Saloon Latex glooves
13	Box matches
14	Alcohol
15	Nail file
16	Anti-dandruff oil
17	Texturizer
18	Curl Activator Gel
19	No-lye relaxer/cal cium
20	Lye relaxer/ sodium
21	Lotta – boddy(setting lotion)
22	Mousses
23	Hair Leave –in treatment
24	Hair relaxing Brush
25	Aluminium Foils
26	Hydrogen Peroxyde(Developers)
27	Spatula
28	Oil protectant
29	Holding sprays
30	Bleaching Powder
31	Edge controls
32	Black Hair shampoo
33	Hair conditionner
34	Anti –dandruff hair shampoo
35	Neutralizing hair shampoo
36	Braids spray
37	Face mask
38	Salon Cotton whorl
39	Cuticle clippers
40	Nail polish
41	Artificial nails
42	Primer
43	Gel builder
44	Clear top coat
45	Nail polish remover
46	Nail arts chair

47	Cotton wool
48	Foundation
49	Powder (3 different type of skin)
50	Eye shadower
51	Council
52	Contour
53	Fixing spray
54	Eyeliner
55	Mascara
56	Eye Lashed package
57	Eye lashes glue
58	Limer
59	fuffer
60	Base+Top for nomalnails
61	Vernis for Normal Nails
62	Dissolvant
63	Cotton
64	Artificial Nails
65	Gel builder
66	Vernis gel
67	Pommade
68	Omo
69	Stands/Stand

33. Trade: Leather Works

33.1. List of core competences with practical requirements

#	Competence title
1	Make a key holder
2	Make a Hand bag (Sac à main)
3	Make a belt
4	Make a money pocket
5	Make sandals
6	Make a ball
7	Perform Internship

33.2. Required Consumables

#	Item
1	Leather
2	EVA foam
3	Glue
4	Stiffner
5	Shank
6	Brush
7	Rivets
8	Buckles
9	Eyelets
10	Shoe racets
11	Lexine
12	Syliver Pen
13	Finishing polish
14	Manilla paper
15	Stiching threads
16	Coutchou
17	Scotch
18	Ruffing papers
19	Needles
20	Micro sheet
21	Skins
22	Shoe tacks (nails)

23	Pencils
24	Interlining
25	Sponge
26	Ball blade
27	Needles for ball
28	Convess fabrics
29	While glou for ball (neupline)
30	Lock(hook)
31	Divider rings
32	Magnetic lock
33	Zip for bag
34	Diring
35	Sole

34. Trade: Masonry (Ubwubatsi)

34.1. List of core competences with practical requirements

#	Competence title
1	Kumena beto irimo ibyuma
2	Kubaka Fondasiyo n'inkuta
3	Kubaka amakaro
4	Gukinga inzu
5	Guteranya ibyubakwa bikoze mu mbaho
6	Gukora finisaje
7	Kubumba ibikoreshe by'ubwubatsi
8	Kwimenyereza umwuga

34.2. Required Consumables

#	Item
1	Cutting disc
2	Stones
3	Iron sheets
4	Adhesive glue
5	Admixtures
6	Binding Wire
7	Bolts
8	Box gutter
9	Building line
10	Burnt Bricks
11	Gray Cement
12	Cement blocks
13	Cement pavers
14	Clay
15	Coarse aggregates
16	Concrete spacers
17	Cutting disc
18	Door clamp
19	Door closer
20	Door Stopper
21	DPC/Damp Proof Course
22	Drill bits
23	Sand
24	Fire extinguisher
25	First aid kit
26	Fuel
27	Galvanized wire
28	Glass
29	Grinding disc
30	Gutter
31	Gypsum board

32	Hack saws Blade
33	Hinges
34	Hollow tubes
35	HS profile
36	Insulator tape
37	J-Hook
38	Lime
39	Masking tape
40	Mastic
41	MDF board
42	MUBA
43	Nails
44	Oil
45	Paints
46	Petrol
47	Pigment
48	Plastic sheeting
49	Plasticizers
50	Plywood
51	Plywood panel
52	PVC Panel
53	Reinforcement steel bars
54	Ridge cap
55	Safety Goggles
56	Sand paper
57	Sanding block
58	Screws
59	Silicone
60	Steel bar
61	Stucco
62	Thinner
63	Tile Adhesives
64	Tile cutter blade
65	Tile cutting pen
66	Tile grinding blade
67	Tile Spacers
68	Tiles
69	Timber
70	Transparent sheets
71	Varnish
72	Warning tape
73	White cement
74	Window hook
75	Wood glue
76	Wood grinding blade

35. Trade: Mining

35.1. List of core competences with practical requirements

#	Competence title
1	Comply with Safety Health Environment at workplace
2	Handle tools, equipment dedicated to the miner
3	Develop the mine access and expose the ore
4	Mark and drill holes
5	Identify minerals and sort ore from the waste
6	Support soil and rocks in the mines
7	Perform basic maintenance for mine utilities
8	Execute extraction operations of ore in surface and underground environment
9	Perform underground or open pit Load haul dump operations
10	Dewater and control of water in the mining site
11	Execute restoration and revegetation works

12	Conduct erosion and sedimentation control
13	Integrate the workplace

35.2. Required Consumables

#	Item
1	safety goggles
2	safety belt
3	hand gloves
4	safety harness
5	Ear muffler (Ear plug)
6	noise meter
7	dust gouge monitor
8	gas detector
9	strecher
10	ladder
11	Safety helmet
12	Overcoats for trainers
13	Overalls
14	Safety shoes
15	First Aid kit
16	Dry chemical extinguishers for class ABC
17	CO2 Extinguishers
18	Fire blanket
19	barcading cones
20	barcading tape
21	Head lamp (torch)
22	Moh's scale of hardness kit
23	Gold
24	Silver
25	Amethyst
26	Tourmaline
27	Amblygonite
28	Cassiterite
29	Coltan
30	Wolfram
31	Limestone
32	Gypsum
33	gemstones
34	Granite
35	Soap solution
36	Solvent
37	wire brushes
38	A scrubber sponge
39	cloth rugs
40	water
41	Broom
42	marking paints
43	paint brushes
44	Coolants
45	engine Oil
46	Grease
47	Gear oil;
48	Nails
49	timbers
50	Paints
51	hummers
52	nails
53	dead oil
54	timber boards
55	wire mesh

56	steel bar
57	crowbar
58	tape measure
59	level meter
60	sharpen blunt edges
61	scaling bar
62	machete
63	chain saw
64	hack saw
65	Axe
66	shovels
67	hoe
68	picks
69	pick axe
70	drill rods
71	drill stell
72	electricity
73	electric cables
74	air
75	pneumotic power
76	pipes
77	water
78	mine anemometer
79	infra red thermometer
80	universal pliers
81	screw drivers
82	spanners
83	balance
84	tape measure
85	ropes
86	trees
87	grasses
88	Plantations,
89	Fencing structures

36. Trade: Tailoring

36.1. List of core competences with practical requirements

#	Competence title
1	Gukoresha imashini idoda
2	Gukora imirimbo
3	Gukora boroderi
4	Kudoda imyenda
5	Kuboha umupira
6	Kwimenyereza umwuga

36.2. Required Consumables

#	Item
1	Bazzer fabric
2	Buttons
3	Knitting Patterns
4	Cotton fabric
5	Elastic
6	Embroidery thread
7	Gentleman fabric
8	Intelining (polyester)
9	Interfacing (Vilizorine)
10	Jinja fabric
11	Kitenge fabric
12	Laces

13	Machine needle
14	Machine Oil
15	Mattress form/sponge
16	Muslin Fabric
17	Nylon fabric
18	Nylon Spandex Fabric
19	Polyester fabric
20	Poplin fabric
21	Satin fabric
22	Silk fabric
23	Snaps
24	Threads
25	Velcro
26	Yarn for Crochet
27	Yarn for Knitting
28	Zip

37. Trade: Welding

37.1. List of core competences with practical requirements

#	Competence title
1	Gusudira ku rwego rw'ibanze
2	Kubara by'ibanze muri Sudire
3	Gukora imirimo yo gukata
4	Gukora Finisaje
5	Gukora imirimo y'ubukorikori
6	Gukora ibikoresho bikoze mu byuma
7	Kwimenyereza umwuga

37.2. Required Consumables

#	Item
1	HS Profile
2	Profile bouteille
3	Flat bar
4	Angle bar
5	T bar
6	Sheet metal
7	Rond bar
8	Door hinges
9	Window Hinges
10	Handles
11	Electrode
12	Cutting disc, Radius Mark
13	Grinding disc, Radius Mark
14	Cutting disc for cutt off machine, Radius Mark / saw cutt off wheel
15	Thinner
16	Petrol
17	Tubes
18	Aluminium paint
19	Red oxide paints
20	U Profile
21	Planche de Live / Planche profile
22	Mastic P38
23	Sand paper
24	Loovers
25	Liquid soap
26	Brazing rod, Copper brazing rods
27	Copper brazing flux, powder
28	Metal saw blades
29	Multi-purpose brazing flux
30	Headgear Replacement for Welding Helmet

31	Mild steel Metal plate ,3 mm thickness
32	Sparklighter
33	Metal marking-out chalk
34	Angle grinder carbide / Charbon
35	Welding elctrode holder / Pince se soudure
36	Allen keys
37	Mild steel metal pipes
38	Tungstein electrodes
39	Tungstein electrodes, Pure tungtsein electrode
40	MIG/MAG Welding electrode ,mutli-purpose use
41	FCAW Welding electrode
42	Rivet, Alminium rivet

38. Trade: Automobile repair and maintenance

38.1. List of core competences with practical requirements

#	Competence title
1	Kubungabunga ubuzima bw'imodoka
2	Gusana amapine y'imodoka
3	Koza imodoka
4	Gusana radiyateri y'imodoka
5	Gufungura no gufunga ibice by'imodoka
6	Kwimenyereza umwuga mu nganda

38.2. Required Consumables

#	Item
1	A/C compressor
2	Accessories drive belts
3	Actuators
4	Air blower
5	Alcohol
6	Anti-freeze
7	Anti-rust (WD-40)
8	ATF oil
9	Automatic gearbox gasket kit
10	Automotive electrical harness
11	Automotive pin connector set
12	Balancing weights
13	Battery
14	Body Filler
15	Brake fluid
16	Brake pads
17	Brake pipeline
18	Brake shoes
19	Cabin Air filter
20	Cable ties
21	Chain
22	Clamps
23	Cloths rags
24	Clutch disc
25	Coil spring
26	Commutator
27	Condenser
28	Condensor fan
29	Conventional lamp Bulb socket
30	Conventional lamp Double filament bulb
31	Conventional lamp single filament bulb
32	Cutting disc
33	Cutting disc
34	Cv joint
35	Diesel fuel filters

36	Diesel Injection pump gasket kit
37	Diesel Injector washers set
38	Distilled water
39	Distributor
40	Drill bits
41	ECU
42	Electrical Conductive grease
43	Electrical motors
44	Electrode(Mildsteel)
45	Engine bearing kit
46	Engine degreaser
47	Engine gaskets kits
48	Engine oil
49	Evaporator
50	Face mask for vehicle body painting practice
51	Filter dryer
52	Flasher unit
53	Fuel
54	Fuses
55	Gas (acetylene & oxygen) refiling
56	Gas discharge lamp
57	Gear box oil
58	Goggles
59	Grease
60	Grinding disc
61	Grinding disc
62	Grinding paste
63	Grinding paste
64	Halogen gas lamp
65	Hand glooves
66	Hardener
67	High-voltage insulation tape
68	HVAC switches
69	Injector leak off washers set
70	Instrument cluster system displays
71	Insulating tapes
72	Insulator tape
73	Lighting emitting diodes
74	MacPherson unit
75	Masking papers
76	Masking tape
77	Master cylinder
78	Multimeter battery
79	Neon-gas discharge lamp
80	Oil filter
81	Ordinary diode
82	Oxycvtelene
83	Oxygen cylinder filing
84	Paints
85	Photo diode
86	Piston rings
87	Pitman arm
88	Putty
89	Radiator hoses
90	Radiator pressure test tool
91	Receiver
92	Reflective high voltage signal sign
93	Refrigerants
94	Regulator
95	Relays

96	Rivets for car repair
97	Rubber bushings
98	Rubber solution
99	Sand paper
100	Sand paper
101	Seal tape
102	Sensors
103	Sheet metal
104	Shock absorber
105	Shop rags
106	Silicone
107	Silicone
108	Soap
109	Soldering wire
110	Solenoids
111	Solvents
112	Sound system kit
113	Spark plugs
114	spark plugs set
115	Starter battery
116	Steering fluid
117	Sucking pump
118	Super glue
119	Switches
120	Thinner
121	Thyristor
122	Transistor
123	Tripod joint
124	Tyre Patches
125	Tyre with steel rim
126	Varnish for vehicle
127	Vehicle fuse set
128	Wax
129	Wheel cylinder seals
130	Windshield wiper motors and wiper linkage
131	Wires and connectors
132	Zener diode
133	Z-link

39. Trade: Baking

39.1. List of core competences with practical requirements

#	Competence title
1	Make baked pastry
2	Assist in bread making
3	Apply food preservation techniques
4	Assist in cakes and tortes
5	Apply food Safety and Sanitation
6	Make fried pastry
7	Integrate the workplace

39.2. Required Consumables

#	Item
1	Bar soap
2	Liquid soap
3	Powder soap
4	Squeegee
5	Mop
6	Napkin
7	Brusher
8	Serviette

9	Dish towel
10	Paper towel
11	VIM
12	Gloves
13	Face masks
14	Disinfectant
15	Detergent
16	Sanitizer
17	Flour
18	Sugar
19	Eggs
20	Baking Powder
21	Baking Soda
22	Yeast
23	Butter
24	Spices and Flavorings
25	Milk
26	Cream
27	Yogurt
28	Buttermilk
29	Chocolate
30	Fruits
31	Decorative Toppings

40. Trade: Pig farming and processing/Ubworozi bw'ingurube no gutunganya umusaruro

40.1. List of core competences with practical requirements

#	Competence title
1	Gushyira mubikorwa ingamba zo kwirinda indirizi n'indwara
2	Gucunga imirire n'imigaburire y'ingurube
3	Kubungabunga ubuzima bw'imyorokerey'ingurube
4	Gufasha kubaka no kubungabunga ibiraro by'ingurube
5	Kwita kungurube nkuru ni nto
6	Gufasha mugukora sosiso yutse
7	Gufasha mukubaga ingurube
8	Kwimenyereza umwuga mu nganda

40.2. Required Consumables

#	Item
1	Acids
2	Bactericide disinfectants
3	Bags
4	Bar soap
5	Straws for bedding materials for pigs
6	Bio-chemical product for pig
7	Timbers
8	Boars
9	Ciment
10	Wood Charcoal
11	Combined disinfectants
12	Sand
13	Disinfectant
14	Eartage
15	Farrowing inducers
16	Feed stuffs
17	Fungicide disinfectant
18	Gilt
19	Hand sanitizer
20	Insecticides
21	Iron

22	Lime
23	Liquid soap
24	Pig feed ingredients
25	Maize
26	Maize bran
27	Rice bran
28	soya bean
29	Sunflower meal
30	wheat pollard
31	DCP
32	Meat and bone meal
33	Salt
34	Methionine
35	Pig vaccines
36	Piglets
37	Pigs
38	Distilled water
39	Premixes
40	Sawdust & Wood shaving
41	Syringes and needles
42	Pregnant Sows
43	Sugar
44	Toxin binder
45	Videos
46	Virucide disinfectant
47	Wormicides

41. Trade: Ruminant farming and processing

41.1. List of core competences with practical requirements

#	Competence title
1	Assist in maintaining ruminant health
2	Distribute feeds and water to the ruminants
3	Milk the ruminants
4	Collect the raw milk
5	Assist in cheese making
6	Transport the ruminants
7	Slaughter the ruminants
8	Assist in meatball making
9	Assist in smoked sausage making
10	Apply biosecurity measures at workplace
11	Examine basic ruminant health status
12	Perform basic zootechnic practices in ruminants farming
13	Perform ruminant deworming through oral routes
14	Use acaricides in tick control
15	Produce fodder crops
16	Feed ruminants
17	Slaughter ruminants
18	Prepare meat, Sausage and meatballs
19	Produce pasteurized and fermented milk
20	Integrate the workplace

41.2. Required Consumables

#	Item
1	Bar soap
2	Liquid soap
3	Powder soap
4	Washing VIM
5	Scouring pads sponge
6	Goat meat
7	Beef meat

8	Sheep meat
9	Pork fat
10	Eggs
11	Bread crumbs
12	Wheat flour/corn starch
13	Raw garlic bulbs
14	Garlic powder
15	Red onion
16	White onion
17	Red/yellow chill
18	Green pepper
19	Leek
20	White pepper powder
21	Black pepper powder
22	Beef masala
23	Salt
24	All spice mixed powder
25	Cinnamon powder
26	Paprika powder
27	Nutmeg powder
28	Cumin powder
29	Sodium nitrite
30	Glutamate
31	Sodium Sulphite
32	Sodium phosphate
33	Cube Maggi
34	Natural casing
35	Label paper
36	Plastic film
37	Aluminium foil
38	Serviette
39	Paper towel
40	Vegetable cooking oil
41	Cattle
42	Goats
43	Sheep
44	cheese wax
45	Calcium chloride
46	Annatto
47	Saltpeter (Potassium nitrate)
48	Salt
49	Raw milk
50	Gas
51	Starter culture
52	Rennet
53	Legumes

42. Trade: Ruminant farming and processing

42.1. List of core competences with practical requirements

#	Competence title
1	Rear poultry stock
2	Poultry farm biosecurity
3	Feed preparation and distribution
4	Poultry health conditions
5	Slaughtering process and techniques
6	Farm products and stores
7	Farm records and report
8	Integrate the workplace

42.2. Required Consumables

#	Item
1	Vaccines
2	Medicines/Drugs
3	Syringe and needles
4	Food supplements
5	Lamp
6	Water
7	Feeds
8	Anti-biotic
9	Anti-parasite
10	Fungicide
11	Vitamins
12	Minerals
13	Wood shavings
14	Rice straw
15	Rice husks
16	Potable water
17	Layers
18	Broiler
19	Turkey
20	Duck
21	Quail
22	Pigeon