

THE REPUBLIC OF UGANDA

Ministry of Education and Sports

SECONDARY SCHOOL ABRIDGED CURRICULUM FOR UGANDA

- HOME MANAGEMENT
- CLOTHING AND TEXTILES
- FOOD AND NUTRITION
- TECHNICAL DRAWING
- METAL WORK
- WOOD WORK

SENIOR 3





SECONDARY SCHOOL ABRIDGED CURRICULUM FOR UGANDA

HOME MANAGEMENT
CLOTHING AND TEXTILES
FOOD AND NUTRITION
TECHNICAL DRAWING
METAL WORK
WOOD WORK

SENIOR 3



A product of the National Curriculum Development Centre for the Ministry of Education and Sports with support from the Government of Uganda

National Curriculum Development Centre P.O. Box 7002, Kampala- Uganda www.ncdc.go.ug

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Content

FOREWORD	VI
ACKNOWLEDGEMENT	VII
HOME MANAGEMENT	
ABRIDGED CURRICULUM- HOME MANAGEMENT: SENIOR THREE	2
TERM I: (48 PERIODS)	5
TOPIC: FOOD AND KITCHEN HYGIENE (6 PERIODS)	5
TOPIC: WATER IN THE HOME (4 PERIODS)	5
TOPIC: FIBRES AND FABRICS (8 PERIODS)	
TOPIC: BASIC SEWING PROCESSES (10 PERIODS)	
TOPIC: THE HOUSE (20 PERIODS)	6
TERM II 48 PERIODS	7
Topic: Mother Craft (48 Periods)	7
TERM III 48 PERIODS	8
TOPIC: MEAL PLANNING AND COOKERY OF BASIC MEALS (48 PERIODS)	8
CLOTHING AND TEXTILES	11
Introduction:	12
TERM I 48 PERIODS	13
CONTROLLING FULLNESS	13
(15 PERIODS)	13
Fibres:	
COTTON	
LINEN	
SILK(9 PERIODS)	
CHOICE OF CLOTHES	
(12 Periods)	
TERM II 48 PERIODS	
TERM III 48 PERIODS	
FOOD AND NUTRITION	
FOOD AND NUTRITIONABRIDGED CURRICULUM FOR 2022	
TERM 1	22
TOPIC 1: METHODS OF COOKING DURATION 10 PERIODS	22
TOPIC 2: NUTRIENTS DURATION: 38 PERIODS	23



CLASS: SENIOR THREE: TERM 2	28
TOPIC 3: FOODS DURATION: 48 PERIODS	28
SENIOR 3 DURATION 48 PERIODS	32
TOPIC 4: MEAL PLANNING 18 PERIODS TOPIC 5: BAKING 40 PERIODS TOPIC 6: PASTRY; SHORT CRUST PASTRY (8 PERIODS) TECHNICAL DRAWING ABRIDGED CURRICULUM FOR TECHNICAL DRAWING S3	33 35 37
TERM 1 48 PERIODS	39
TOPIC: FREEHAND SKETCHING TOPIC: CONSTRUCTION OF ELLIPSE TOPIC: ENLARGEMENT AND REDUCTION TOPIC: TRANSFORMATION OF FIGURES TOPIC: INTRODUCTION TO PICTORIAL DRAWINGS TOPIC: ORTHOGRAPHIC PROJECTION.	39 40 41
TERM 2 48 PERIODS	42
TOPIC: SCALES TOPIC: SURFACE DEVELOPMENT TOPIC: ORTHOGRAPHIC PROJECTION	42
TERM 48 PERIODS	44
TOPIC: CONIC SECTIONS AND THEIR PROPERTIES	44
OPTION 1 - TERM 3 48 PERIODS	45
TOPIC: CONVENTIONAL REPRESENTATION TOPIC: ASSEMBLY DRAWINGS	
OPTION 2 - TERM 3 32 PERIODS	47
TOPIC: WORKING DRAWINGS	49
SENIOR THERE TERM 1 DURATION: 48 PERIODS	51
TOPIC: JOINING METALS TOPIC: MACHINE TOOLS TOPIC: FORGE WORK TOPIC: METALWORK PRACTICAL	52 53
TERM DURATION: 48 PERIODS	55
TOPIC: THREADS AND THREAD CUTTING BY HAND	55

TOPIC: DESIGN AND DRAWING	58
TOPIC: METALWORK PRACTICAL	59
TERM 3 DURATION: 48 PERIODS	60
TOPIC: HEAT TREATMENT OF PLAIN CARBON STEELS	60
TOPIC: MACHINE TOOLS	61
TOPIC: DESIGN AND PROJECT	62
TOPIC: METALWORK PRACTICAL	
WOODWORK	
WOOD WORK ABRIDGED CURRICULUM FOR SENIOR THREE	
Guidelines	66
TERM 1 DURATION: 48 PERIODS	67
TOPIC: Tools And Equipment	67
TOPIC: CLASSIFICATION AND CONSTRUCTION OF WOODWORK JOINTS	68
TOPIC: WOODWORK PRACTICAL	69
TERM 2 DURATION: 48 PERIODS	70
TOPIC: EDGE TREATMENT OF MANUFACTURED BOARDS	70
TOPIC: Door Construction and Fitting	70
TOPIC: DESIGN AND DRAWING	71
TOPIC: WOODWORK PRACTICAL	72
TERM 3 DURATION: 48 PERIODS	73
TOPIC: IRONMONGERY, ADHESIVES AND FINISHES	73
TOPIC: DESIGN AND DRAWING	74
TOPIC: TEA TRAY	74



Foreword

The COVID-19 pandemic caused a disruption in our education system and made learners miss schooling for almost 18 months of the 2020-2021 schooling period. This has created a need to re-think what and how learners will learn when schools re-open.

The Ministry of Education and Sports through National Curriculum Development Centre (NCDC), has developed this abridged curriculum for Primary and Secondary schools in the country. This curriculum presents a selection of priority learning competences and concepts, along with psychosocial support, which should be the focus of instruction in the 2022 school year in order to achieve learning recovery.

This curriculum is not a departure from the existing curricula for the different classes but rather, a modification of the same with a purpose of recovering the lost learning time with minimum learning loss. It has been packaged for all Primary and Secondary classes with exception of Primary One, Senior One and Senior Five that will use the standard curriculum.

I therefore, recommend this abridged curriculum and ask all stakeholders to support its implementation as a strategic intervention towards the mitigation of the effects of COVID-19 pandemic on our education system. The effective implementation of this curriculum by the implementers will be a great milestone towards the recovery of lost learning time and giving hope and confidence to learners and teachers.

Hon. Janet K. Museveni

First Lady and Minister for Education and Sports

Acknowledgement

National Curriculum Development Centre (NCDC) would like to express its most sincere appreciation to all those who worked tirelessly towards the development of the abridged curriculum for Primary and Secondary levels of education.

The Centre is indebted to the NCDC Governing Council and the Academic Steering Board whose guidance and input helped to develop quality curriculum materials.

Great thanks go to the Specialists, panel members, the Quality Assurance and Editorial Committees that invested heavily in the conceptualisation, development and quality assurance processes that collectively delivered the materials that we have here. Their efforts, extra energy and professionalism has been unmatched.

This abridged curriculum was developed with support from The Government of the Republic of Uganda, Save the Children, UNESCO, Uganda National Examinations Board (UNEB), Directorate of Education Standards (DES), Universities, National Teachers Colleges (NTCs) and Primary Teachers Colleges (PTCs).

NCDC takes responsibility for any shortcomings that might be identified in this publication and welcomes suggestions for addressing the gaps. Such comments and suggestions may be communicated to NCDC through P.O. Box 7002 Kampala or email admin@ncdc.go.ug or www.ncdc.go.ug.

Dr Grace K. Baguma

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HOME MANAGEMENT



ABRIDGED CURRICULUM- HOME MANAGEMENT: SENIOR THREE

Introduction

A number of topics which were supposed to be covered at Senior Two have been carried forward and some have been dropped. Others have been merged with other topics as seen in the matrix below:

SN	ТОРІС	STATUS	JUSTIFICATION
1	Cooking fuels and Food and kitchen hygiene	Dropped	Should have already been covered in the first term before lockdown.
2	Meal planning and cooking of basic Meals Rules to follow when using different methods of cooking	Whole topic moved just before practicals Removed	Will be covered under Basic Nutrition- Cookery of basic meals. Cover the entire topic just before cookery of various foods. To be discovered during practicals on cookery of basic meals.
3	Water in the home Sources of water in the home Hardness of water, methods of softening. Storage of water	Dropped Dropped Dropped	Can be discovered in Geography and personal experience of the learner. Covered in Chemistry. Discovered in laundry processes and practice.
4	Food and Kitchen Hygiene Store food correctly Explain the importance of food	Dropped Dropped	Discovered when discussing prevention of food contamination. Observed during food

	preservation Effect of preservation on nutrient content	Dropped	preservation processes. Covered in Nutrition.
5	Fibres and FabricsIdentification of the different fibres and fabrics	Dropped	They will be identified as the learners discuss the properties of different fibres.
6	Basic Needle Work Needle work equipment Types of seams and stitches	Dropped	Will be discovered as they work the stitches. Can be discovered while performing stiches.
7	The House Choosing the site for a house Factors to consider when choosing a house	Dropped	Learners will discover in the school and community and from their own experience. Will be discovered throughout the use of furniture. To be discovered as learners care and clean fixtures.
	Advantages of different types of houses Factors to bear in	Left out	Self-discovery.
	mind when choosing furniture Fixtures Types and suitable fixtures	Omitted	Self-discovery. Self-discovery.
	Types of floorsSuitability of use in the different areas		Sea discovery.



	for specific		
	function		
Fu	rnishing		
•	Definition of		
	furnishing		
•	Types of furnishing		
•	Choice of		



TERM I: (48 PERIODS)

Topic: Food and Kitchen hygiene (6 periods)

T	bjectives he learner should e able to:	Content	Teaching and learning strategies
2.	causes, dangers and prevention of food contamination.	Food contamination, its dangers and remedies. Food preservation principles and methods.	Discussions on causes, dangers and prevention of food contamination. Use audio/visual presentation, newspapers and magazines to demonstrate; importance of food preservation and methods of food preservation.

Topic: Water in the home (4 periods)

Objectives The learner should be able to:	Content	Teaching and learning strategies
 Identify the water sources for the home and use this water efficiently. Treat water in the home using different methods to ensure safety. 	Uses of water in the home. Water treatment in the home.	Group discussion of the different uses of water in the home. Research on water treatment methods in the home. Demonstrate water treatment at home.

Topic: Fibres and fabrics (8 periods)

Objectives The learner should be able to:	Content	Teaching and learning strategies
1.Explain the	Properties of different	Brainstorm on the
properties of	fibres.	properties of different
different fibres.	Caring for different	fibres.
2.Describe the care	fabrics.	Demonstrate the care for
of different fabrics.		different fabrics.

Topic: Basic sewing processes (10 periods)

Objectives The learner should be able to:	Content	Teaching and learning strategies
 Identify different stitches and their uses. Perform and use the 	Making an article using basic stitches and seams.	Demonstrate/visual presentation of the different stitches.
different stitches appropriately.	Simple repairs using different stitches.	Demonstrate the use of different stitches to make simple repairs.

Topic: The House (20 periods)

Objectives The learner should be able to:	Content	Teaching and learning strategies
plan. 2. Describe the	organisation. Care and cleaning of	finishes of furniture.

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- 4. Care and clean the floor.
- 5. Care for household furnishings.
- 6. Use colour ir furnishing.
- 7. Use and clean surfaces in a home.
- 8. Care for different household appliances.

cleaning fixtures.

Care and cleaning of different floors.

Care and use of household furnishings.
Colour application in furnishing.

Care and cleaning of different surfaces in the home.

Procedure for care of different household appliances.

and use of fixtures.

Demonstrate the care and use of fixtures.

Demonstrate the care and use of furnishings.

Discuss and demonstrate the colour wheel and its application.

Demonstration on care and cleaning different surfaces.

Demonstration on care and cleaning of different appliances.

TERM II 48 PERIODS

Topic: Mother Craft (48 Periods)

Objectives The learner should be able to:		Teaching and learning strategies
1. Identify and manage domestic violence practices.	Roles of family members. Causes and dealing with domestic violence.	Discussion on the different family members' roles.
2. Describe the appropriate care of pregnancy and identify signs of pregnancy.	Signs of pregnancy and danger signs during pregnancy. Needs of the expectant mother (food, diet,	Discussion on dealing with domestic violence. Discussion on signs of pregnancy and the signs of danger during
3. Prepare for baby's arrival.	psychological needs, ante-natal clinic). Baby's needs (clothing,	pregnancy. Discussion on the needs of expectant mother.

4. Differentiate	bedding, feeding, post-	Discussion on baby's
between the	natal clinic).	needs.
different ways of	Differentiating between	Discuss the different ways
feeding a baby	breast feeding and	of feeding a baby.
(0-6months).	artificial feeding.	Discuss weaning of
	Weaning-when it should	babies.
	be introduced, choosing	
	dishes.	

TERM III 48 PERIODS

Topic: Meal planning and cookery of basic meals (48 periods)

Objectives The learner should be able to:		Teaching and learning strategies
Distinguish between moist and dry methods of cooking.	Moist methods of cooking (Steaming, stewing, boiling). Dry methods of cooking (Frying, baking, roasting, grilling).	Brainstorming, discussion on dry and moist methods of cooking. Observation and
2. Plan meals for different people.	Planning meals for different people. Preparing dishes for different meals such as breakfast, snacks	recording key points in the audio/visual/ resource presentation on planning meals for
and main meal. Using the different methods of cooking. Hot and cold beverages such as the different types of people and the dishes suitable for		different people. Identifying the different groups of people and the dishes suitable for them. Discuss the dishes suitable for the

them.	buns, fried dough (mandazi). Pastry such as rolls, samosa,	different meals such as breakfast, snacks and
4. Prepare, cook and serve different foods.	short pastry, etc. iii. Egg cookery, simple pastry dishes such as chapati, samosa, rolls and short pastry. Preparing weaning dishes Preparing dishes suitable for a main meal; protein dishes such as stews, carbohydrate, drinks and vegetable dishes such as salads and sautés.	main meal.







CLOTHING AND TEXTILES

Introduction:

The Senior Three learners lost time due to covid19 and so could not cover all the work for Senior Two. Therefore, part of the topics they were supposed to cover at Senior Two has been merged with the Senior Three work to enable them get the crucial skills. Much of the time has been concentrated on practical skills to redeem the time. During the teaching of practical skills, you are expected to discuss the principles behind the processes.

SN	CRITICAL CHANGES	JUSTIFICATION
1	Topic Three fibres ; we have only considered viscose rayon, polyester and acrylic.	//
2	Topic Ten on fabric construction; we have chosen weaving, knitting, crocheting, braiding and macramé.	These are common methods of fabric construction in Uganda and the concepts are the same with the other fibres.
4	Under the fabric finishes ; we have considered seven finishes.	The concepts are the same, the practicals can easily be carried out in class.

TERM I 48 PERIODS

	Topic	Objectives The learner should:	Key Concepts	Activities
1	Controlling Fullness (15 Periods)	State the uses of controlling fullness in garments.	Methods of controlling fullness Gathers Darts Tucks Pleats Smocking Shirring.	Demonstrate and practice the construction of the different methods of controlling fullness.
2	Fibres: Cotton Linen Silk (9 Periods)	Outline the steps followed in production of linen and silk fibers to fabrics. State the characteristics of linen and silk fibres. Care for the fibres when sewing.	Fibres Cotton and Linen Silk Origin, outline of manufacture from fiber to fabric Properties of linen and silk fibres.	Teacher and learner discussion ,identification tests on cotton, linen and silk fibres e.g. strength test on wet and dry yarns, creasing, and burning.
3	Choice of clothes (12 Periods)	Identify styles for different figure types, occasions, colour fabrics and season.	Figure types Styles Occasions Colour Fabrics and season (wet	Drawing of the figure types on charts. Cutting out styles of different



	or dry, hot or	occasions from
	cold).	magazines and
		displaying them
		in the
		laboratory on
		charts.
		Practice on
		figure and style
		drawing in the
		learners' books.



TERM II 48 PERIODS

	Topic	Objectives The learner should:	Key Concepts	Activities
4	Pattern use in garment constructions (15 Periods)	Use different patterns in garment construction.	Pattern drafting, preparation and alteration. Lay out and cutting. Transferring pattern markings.	Use of patterns in garment construction.
5	Fibres Manmade - Viscose rayon Synthetic Polyester Acrylic Fabric blends and mixtures. (12 Periods)	Outline steps followed in production of viscose rayon polyester and acrylic fibres to fabric. State the properties, uses and points to consider when sewing rayon polyester and acrylic. Differentiate between blends and mixtures. State the advantages of blends and	Outline of the manufacture and properties of viscose rayon, polyester and acrylic. Fabric mixtures and blends.	Discussion on rayon, polyester and acrylic fibres. Identification tests. Discuss the advantages of fabric finishes. Discuss the difference between blends, advantages and list blends.



		mixtures. List examples blended fabrio			
6	Fabric		the	Methods of	Demonstrate
	construction	different		making fabrics	the making of
	and fabric	methods	of	Weaving	articles using
	finishes	fabric		Knitting	the different
	(21 Periods)	construction.		Crocheting	methods.
		Apply	the	Braiding	
		different		Macramé	
		construction		Mercerisation	
		methods.		Bleaching	
		State	the	Scouring	
		different type:	s of	De-gumming	
		finishes.		Sizing	
		Make		Abrasion	
		appropriate		Sanforisation	
		choices of fab	rics	Dyeing.	
		according	to		
		their finishes.			

TERM III 48 PERIODS

		Objectives The learner should:	Key Concepts	Activities
7	Use of different openings and fastenings (12 periods)	Choose and work on different openings and fastenings.	-Openings: Faced openings Bound openings Zipped openings -Fastenings Ribbons Hooks and eyes Press studs Buttons and button holes/loops Zips	Demonstration and practice on the child's garment. Practice on making and drawing the openings and attaching fastenings.
8	Decorative Processes (15 Periods)	Identify materials and tools used in decorating garments. Categorise embroidery processes. Apply different types of decoration appropriately in garment construction.	Trimmings Ribbons Scalloping Faggoting Appliqué Shell edging Laces Tapes Ribbons Selected design Choice of fabric article Choice of threads, stitches and colours Lay out of design.	Demonstration of decorative processes. Practice on decorating the garment.
9	Design in	Acquire skills in	-Ways of dyeing	Demonstration



Cloth	the different	fabrics	on tie and dye,
Repair,	methods of		block printing
Renovations,	introducing	Screen printing	and screen
Maintenance	colour and	Block printing	printing.
and Care of	decoration to	Resist printing	Visits to the
Personal	fabrics.	-Repair, renovation	textile factory.
Clothing	Identify	and maintenance of	
(21 Periods)	different	clothing.	
	methods of	-Methods of	
	repairing and	repairing and	
	renovating	renovations:	
	garments.	Patching	
	Develop skills in	Stitching	
	the various	Darning	
	processes of	Binding or facing	
	care of clothes.	Appliqué	
	Repair and	Stain removal	
	renovate		
	garments.		

FOOD AND NUTRITION



ABRIDGED CURRICULUM FOR 2022

Introduction

Some of the crucial content that was supposed to be covered in senior two has been merged with the senior three content. Topics brought on board from senior two include: methods of cooking, Nutrients – proteins, carbohydrates, Lipids, Mineral salts, vitamins and water.

The reasons for cooking food, aims of food preparation and Heat transfer have been left out. These should be made mention of during the actual cooking when learners are carrying out practicals. The cereals have been left out and should be discussed using them like during baking or making breakfast dishes. Sauces and gravy have also been dropped but should be done practically during the preparation of dry protein foods and desserts. Horsd'oeuvres and savouries should be handled when appetizers, egg dishes and salads.

CRITICAL CHANGES IN SENIOR THREE SYLLABUS

SN	CRITICAL CHANGE	Justification
1	Left out Reasons for cooking food, aims of food preparation and Heat transfer	-Self-discovery during the practical lessons -Methods of heat transfer can be adopted from physics
2	Left out Egg structure, nutritive value, and choice of eggs.	Concept to be picked from Biology. Nutritive value can be given under the different nutrients.
3	Left out Cereals	These will be mentioned in a number of baked items. E.g cakes, bread, biscuits.
4	Left out Sauces and gravy	Taken care of when preparing and serving dry protein foods and

SN	CRITICAL CHANGE	Justification	
		desserts.	
5	Left out Horsd'oeuvres and savories	d Handled under different topics e.g appetizers, milk products, egg dishes and salad making.	
6	Left out parts of Meal planning (definition, general rules for meal planning, choice of dishes/ foods) and A balanced diet	To be handled when planning meals for various groups. Already handled in earlier classes	
7	Merged Raising agents and Baking	Explanations can be given during practical lessons on the raising agents used.	



TERM 1

Topic 1: METHODS OF COOKING DURATION 10 Periods

General objective: To enable students use different methods of cooking

	Sub-Topic		Specific Objectives the learner should:	Content	Teaching and learning Strategies
1	Methods cooking (10 periods)	of	a) Distinguish between food preparation and cooking. b) Discover the reasons for cooking. c) Describe the mode of heat transfer during cooking	 Difference between food preparation and cooking Reasons for cooking food Methods of heat transfer Methods of cooking food – moist methods, dry methods principle behind each method of cooking Sample items cooked with the different methods of cooking 	Task learners to research on the reasons for cooking food and methods of heat transfer and present Demonstration of the different methods of cooking (Moist and Dry) Students write the rules to follow when using each of the methods of cooking.

Topic 2: NUTRIENTS DURATION: 38 Periods

GENRAL OBJECTIVE: To enable students acquire knowledge on the nutritional components; Proteins, Carbohydrates, Lipids, Vitamins, Mineral salts and Water.

	Sub-Topic	Specific Objectives the learner should:	Content	Teaching and learning Strategies
2	Proteins (8 periods)	state the chemical composition of proteins. Classify proteins Explain the functions and effects of deficiency of proteins. Describe the properties of protein	state chemical composition. Classification of amino acids e.g. essential and non-essential Properties of protein.	Discussion on composition, classification and functions of protein. Demonstration of the effects of heat and acids on protein.
3	Carbohydrates (8periods)	State the basic chemical composition of carbohydrates Classify carbohydrates Explain the effects of carbohydrates deficiency and excess carbohydrates	The basic chemical composition Classification of carbohydrates; mono and disaccharides, starch and cellulose. The sources for each group functions	Task learners to research about chemical composition, classification and functions of carbohydrates Discussion Demonstrate the effects of heat (moist and dry) carbohydrate



	Sub-Topic	Specific	Content	Teaching and
		Objectives		learning
		the learner		Strategies
		should:		
		in the body.	Results of	foods during the
		Explain ways of	deficiency	preparation of
		controlling	Obesity and	some dishes to
		obesity	control	show;
		Explain the	Calorific value	Gelatinization
		basal	Factors that	Caramelization
		metabolism	determine energy	Carbonization
		Analyse the	needs of the	
		factors that	body.	
		determine	Energy needs; sex	
		energy needs of	occupation, age	
	6	the body.	activity etc.	
		Describe the	Basal	
	'',	effects of heat	metabolism and	
		on CHO	the variables	
		Define		
		roughage		Demonstration
		List the dietary	Roughage;	and class
		sources of	Definition,	participation in
		roughage	Dietary sources	the preparation of
		Explain the	Functions in the	dishes rich in
	/	functions and	body	roughage
		effects of	Result of	
		deficiency for	deficiency	
		roughage.		
4	LIPIDS	State chemical	Chemical	Teacher leads
	(6 periods)	composition of	composition of	discussion on
		lipids	fats and	chemical
		Describe the	classification of	composition and
		classification of	fats and oil.	effects of
		fats and oil	Result of	imbalanced intake

	Sub-Topic	Specific	Content	Teaching and
		Objectives		learning
		the learner		Strategies
		should:		
			deficiency and	of lipids.
		fats and oil	excess of fats in	Teacher guides
		sources.	the body.	the students to
		effects of	properties of fats	demonstrate the
		deficiency in	and oils	properties of fats
		the body and	Cookery uses of	Students make
		excess of fats in	fats and oils	notes.
		the body.		
		Describe the		
		properties of		
		fats and oil.		
		State the uses		
		of fat in cookery		1
5	MINERAL SALTS	List and classify	Functions,	Task learners to
	(6 periods)	minerals into	sources, results	
		macro and	of deficiency	the sources,
		micro mineral		functions and loss
		elements.	minerals	of mineral salts
		Explain how	Loss of mineral	during food
		minerals are	salts during	preparation and
		lost during food	cooking	present in a
		preparation. Explain the	Functions of calcium,	plenary Teacher guides
		functions of	phosphorous,	learners in
		calcium	iron in the body.	preparing dishes
		phosphorus	Effects of	rich in the mineral.
		and iron in the	deficiency and	Discussion
		body.	sources of	Making dishes rich
		State effects of	calcium,	in the mineral
		deficiency for	phosphorous and	salts; potassium,
		each mineral.	iron.	sodium and



	Sub-Topic	Specific	Content	Teaching and
		Objectives		learning
		the learner		Strategies
		should:		
		List the dietary		chloride.
		sources of each	Potassium,	Making dishes rich
		mineral.	sodium, chloride	in the mineral
		Explain the	(functions and	salts mentioned
		functions of	result of	above
		potassium,	deficiency of	
		sodium and	each)	
		chloride in the	Sources of	
		body.	potassium	
		Effects of	sodium and	
		deficiency in	chloride in foods.	
	6	the body.	Iodine, Sulphur,	
		List the sources	fluoride and trace	
	17/	of sodium.	elements	
		Potassium and	(function,	
		chloride	sources, result of	
		Explain the	deficiency of	
		function of	each)	
		iodine, Sulphur,	Sources in food	
		fluoride and		
		trace elements		
	/	List the sources		
		in foods.		
6	VITAMINS	Define and	Classification of	Task learners to
	(8 Periods)	classify	vitamins	make chart
		vitamins.	Fat soluble; A, D,	showing
		Explain the	E and K and	classification of
		functions of	water soluble;	vitamins (fat
		each vitamin in	Band C	soluble and water-
		the body.	(functions and	soluble vitamins)
		State the	result of	Task learners to

THE NATIONAL SECONDARY SCHOOL ABRIDGED CURRICULUM FOR UGANDA

	Sub-Topic	Specific Objectives the learner should:	Content	Teaching and learning Strategies
		effects of deficiency for each of the vitamins. List the source of each of the vitamins. Conservation of vitamins during food preparation and cooking	deficiency) Sources of vitamins.	research on the functions, effects of deficiency and sources of vitamins and present in a plenary Demonstration on dishes rich in vitamins
7	Water (2 Periods)	State the functions of water as a nutrient State the effects of water deficiency List the dietary sources of water	Functions of water in the body Results of deficiency (Dehydration) Dietary sources	Teacher leads discussion on the functions and effects of deficiency of water in the body and the dietary sources



CLASS: SENIOR THREE: TERM 2

TOPIC 3: FOODS DURATION: 48 PERIODS

GENERAL OBJECTIVE:

To examine foods available in the community as regards to the sources, structure, properties, nutritive value and their uses in cookery and make use of the available foods in the community to prepare good balanced meals.

	Sub- topic	Objectives	Content	Teaching and learning strategies
1	Eggs (8 Periods)	a) Demonstrate the different uses of eggs in cooking b) Practice the different methods of cooking eggs	 Uses of eggs in cooker y Cookin g eggs Testing eggs for freshne ss 	Group learners to follow recipe in the preparation of dishes showing the uses of eggs in cookery Preparing egg dishes
2	Milk and milk products (12 Periods)	b) Give the uses of milk in cookery and examples of dishes made using milk c) Name the various types of milk and milk products. d) Describe effects of	Uses in cookery, Types of milk and milk products	Discussion demonstration on milk and its products. Practice on preparation of dishes using milk and milk

	Sub- topic	Objectives	Content	Teaching and learning strategies
3	Fleshy Protein Foods (Fish, Meat and Poultry) (14 Periods)	a) Discover the effects of heat on these protein foods. b) Factors that affect the tenderness of these protein foods and how tough flesh can be tenderized. c) Make different dishes from these foods using different methods or ways of cooking. d) Practice the serving of the dry dishes made from these protein foods accompanied by some savory sauces e) State the different	 effects of heat on the protein foods. Tender ness of flesh protein foods, factors and ways of tenderi zing them. Making differe nt dishes using 	products include sweet sauces that use milk in their preparation. Task learners to research and present on the effects of heat on the three fleshy protein foods. Teacher guided discussion on the factors that affect tenderness and ways of tenderizing these protein foods. Group learners and make dishes using the moist methods of cooking these protein foods and serving them. Conduct a practical
		uses of these protein foods in the diet	the flesh protein	making various dishes using the dry methods of cooking from

	Sub-	Objectives	Content	Teaching and
	topic			learning
				strategies
			foods using differe nt ways or metho ds of cookin g. • Making savory sauces to accom pany dry protein dishes. • Uses of the fleshy protein foods in the diet.	these protein foods by and also make savory sauces to accompany these dishes
4	STOCKS, SOUPS	Students should be	Rules for	Discussion and demonstration
		able to; State the rules for	preparing	_
	AND			
	APPETIZE	preparing stock.	Uses of	preparation of

THE NATIONAL SECONDARY SCHOOL ABRIDGED CURRICULUM FOR UGANDA

	Sub- topic	Objectives	Content	Teaching and learning strategies
	RS (6 Periods)	Explain the uses of stock in cookery List the four types of soups Explain the general procedure of making two types of soups with their accompaniment. Explain the importance of appetizers in the diet.	stock in the diet Making of stock and using it in various dishes like stews. Procedure of making four appetizers.	some types of stock, and appetizers like soups, horsd'oeuvres, savouries and salads.
5	Sweets and puddings (6 Periods)	Explain the importance of soups and puddings and how they are used in the diet	Importanc e of sweets and pudding in the diet. Making sweets and pudding with their accompani ment.	Group learners and task them to follow recipe given to prepare different sweets and puddings with their accompanying sweet sauces



SENIOR 3 Duration 48 Periods

TOPIC 4: MEAL PLANNING 18 Periods

GENERAL OBJECTIVE: To enable students plan balanced meals for various groups of people.

Sub-topic	Objectives	Content	Teaching and learning strategies
PLANNING DIFFERENT TYPES OF MEALS AND COURSES (4 PERIODS)	Outline the factors to consider when planning meals for the different categories of people	Types of meals Courses in a meal Choice of dishes/food Costing of meals Factors considered when planning meals	Discussion on preparation of a balanced meal, courses in a meal and choice of dishes. Identification of cutlery Task learners to research and discuss the factors for meal planning types of meals and courses in a meal
PLANNING MEALS FOR VARIOUS GROUPS OF PEOPLE AND OCCASIONS (14 PERIODS)	Plan and prepare suitable meals for various groups of people e.g expectant and nursing mothers, babies, manual workers, adolescents.	Points to consider when planning meals for the following; Invalid-the three stages	Discussion of suitable meals for the groups. Group learners and task each group to plan and prepare a meal suitable for a specific category

Sub-topic	Objectives	Content	Teaching and learning strategies
	vegetarians Be able to cos meals	mothers Manual workers Babies / children Vegetarians Adolescents Obese persons Slimming diets	of people Teacher demonstration on table laying
		Elderly	8

TOPIC 5: BAKING 40 Periods

GENERAL OBJECTIVE; To enable learners gain skills in making of cakes, biscuits, bread and pastry while using different raising agents on flour mixtures.

Sub-topic	Objectives	Content	Teaching and learning strategies
MECHANICAL	State the	Sieving,	Teacher
RAISING	mechanical	whisking,	discussion on
AGENTS	ways of	rubbing in and	the use of
(8 PERIODS)	introducing air	creaming	mechanical
	into flour	Making of	raising agents
	mixtures e.g.	sponge cake	Group learners
	sieving,		to follow the



Sub-topic	Objectives	Content	Teaching and learning strategies
	whisking, rubbing in, creaming Explain how they work. Describe their action on flour mixtures.	Rubbing in Creaming Rolling Making	recipe given on making a sponge cake
CHEMICAL RAISING AGENTS (14 Periods)	Describe the action of the chemical raising agents and give examples of chemical raising agents and the products made from the raising agents.	chemical raising agents and examples of chemical raising agents and the	on the action of chemical raising agents and gives

THE NATIONAL SECONDARY SCHOOL ABRIDGED CURRICULUM FOR UGANDA

Sub-topic	Objectives	Content	Teaching and learning strategies
			sponge cake.

Topic 6: PASTRY; SHORT CRUST PASTRY (8 Periods)

GENERAL OBJECTIVE: To enable learners to make interesting and marketable dishes using short crust pastry.

Sub-topic	Objectives	Content	Teaching and learning strategies
Short Crust		Types of	Discussion and
Pastry	short-crust	pastry	demonstration
	pastry state.	Short crust,	of making short
	Rules for	rough puff,	crust pastry.
	making pastry	flaky.	
	State the	Rules for	
	different ways	pastry making	
	of	Ways of	
	incorporating	incorporating	
	air into the	fat into the	
	pastry.	mixture for the	
	List faults in	different types	
*	pastry making	of pastries.	
		Faults in	
		pastry making.	





TECHNICAL DRAWING

ABRIDGED CURRICULUM FOR TECHNICAL DRAWING S3

GUIDELINES

Technology Drawing abridged curriculum for Senior Three has been written following the syllabus. Some topics and concepts have been merged and others compressed to the one-year content.

Therefore, this abridged curriculum will be able to guide the teacher to cover the content of Senior two and three in one year. You are required to use the teacher's guides for both senior two and three to implement this curriculum. After this abridged curriculum the teacher will be required to go back to the normal curriculum.

CRITICAL CHANGES IN THE SYLLABUS FOR TECHNICAL DRAWING

SN	CRITICAL CHANGES	JUSTIFICATION
1	Only geometry to be taught in term	Learner development not ready to
	one and term two.	take on the options because the
	Building and mechanical options	basics for their teaching is not yet
	to be introduced in term three	covered by term one and two.

- Topic on cross sectioning has been removed because the concepts are to be covered under orthographic projection.
- Term one and two has been left for only geometrical drawing. Other specialized drawing for Building and Mechanical options to be introduced in term three because the development is not ready to take on these options because the basics have not yet been covered.

Building Drawing Option

- Sub topic on paper layout is removed. The concept is covered in geometrical drawing.
- Topics on foundations and floors are removed and the content will be covered when drawing the cross sections.

TERM 1 48 PERIODS

TOPIC: FREEHAND SKETCHING

GENERAL OBJECTIVE:

The learner should be able to draw a proportional freehand sketch.

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Pictorial freehand sketching		 Hardness of pencils Pencils and lines used Estimating proportions Sketching simple solid objects in pictorial projection Single view sketches 	Discussion and illustration Demonstration Practice	4

TOPIC: CONSTRUCTION OF ELLIPSE

GENERAL OBJECTIVE: The learner should be able to construct an Ellipse using different methods.

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
The Ellipse	The learner should be able to construct an Ellipse by different methods based on its properties.	 Concentric Circle Method Rectangular method Tangent and Normal to a given Ellipse. 	Demonstration and practice on construction of an Ellipse.	6

TOPIC: ENLARGEMENT AND REDUCTION

GENERAL OBJECTIVE:

The learner should be able to enlarge and reduce figures

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Enlargement and Reduction of figures	should be able	Linear enlargement/reduct ionArea enlargement/reduct ion	Demonstration and practice on Enlargement and Reduction.	4

TOPIC: TRANSFORMATION OF FIGURES

GENERAL OBJECTIVE:

The learner should be able to transform one figure to another of equal areas.

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIOD S
Transformation of figures	The learner should be able to transform one figure to another.	Quadrilaterals and Simple Polygons	Guided discovery on the principles of transformation.	4

TOPIC: INTRODUCTION TO PICTORIAL DRAWINGS

GENERAL OBJECTIVE:

The learner should be able to draw and construct pictorial drawings

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Isometric Projections Simple rectangular blocks. Blocks with some oblique/slanting faces	The learner should be able to draw and construct isometric projections.	 Isometric drawing of various regular solids Isometric drawing of figures with some faces slanting. 'Dimensioning of isometric figures. 	Demonstration and practical work on Isometric projection.	6

TOPIC: ORTHOGRAPHIC PROJECTION

GENERAL OBJECTIVE:

The learner should be able to draw and construct in orthographic projection

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Orthographic Projection of solids	The learner should be able to draw orthographic views of solids.	 Three view drawing of regular solids in first angle projection. Simple blocks Cut blocks 	Illustration and demonstration of orthographic projections of solids	8

TERM 2 48 PERIODS

TOPIC: SCALES

GENERAL OBJECTIVE: The learner should be able to apply metric units to construct and use scales.

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Constructing scales	The learner should be able; - Interpret and construct scales - Identify and use metric units	Metric unitsPlainDiagonalApplication	Discussion, Illustration and demonstration on use of scales. Practice on constructing scales	8

TOPIC: SURFACE DEVELOPMENT

GENERAL OBJECTIVE: The learner should be able to develop surfaces.

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Development of surfaces	The learner should be able to develop surfaces	 Surface development of various solids like funnels, watering cans, and roofs Development of cut solid surfaces. 	- Discussion, illustration and demonstration of development of surfaces.	8

TOPIC: ORTHOGRAPHIC PROJECTION

GENERAL OBJECTIVE:

The learner should be able to draw and construct in orthographic projection

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Orthographic projection (horizontal plane)	The learner should be able to: - draw and construct using 1st angle orthographic projection draw and construct using 3rd angle orthographic projection.	 Simple tools, machines parts, and woodworking joints Comparison of 1st and 3rd angle projection methods 	- Brainstorming on representation of views - Illustration and demonstration on orthographic projection - Practice on orthographic projection projection	6
Orthographic projection (inclined planes)	- Draw and construct orthographic projection of solids using 1 st angle.	 Inclined solids using 1st angle projection of solids like prisms, pyramids, cylinders, right cone and sphere. Repeat in 3rd angle projection 	 Illustration and demonstration on orthographic projection Guided discovery on the principles of orthographic projection. 	4

TERM 48 PERIODS

TOPIC: Conic sections and their properties

GENERAL OBJECTIVE: The learner should be able to cross section parts of a cone

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Conic sections	- The learner should be able to identify and construct the different shapes which are a result of sectioning a cone.	 Construction of conic sections; circle, ellipse, parabola, hyperbola Elevation, plan and true shape of cut section Construction of tangent and normal Determination of conical curves 	 Discussion of conic sections Observation of conic sections to identify different shapes Demonstration and practice on constructing different shapes 	6

OPTION 1 - TERM 3 48 PERIODS

TOPIC: CONVENTIONAL REPRESENTATION

GENERAL OBJECTIVE:

The learner should be able to draw, interpret and use conventions

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Materials	The learner should be able to draw and interpret various cross sectioned materials	- Hatching of various cross sectioned materials, ferrous, non-ferrous metals, wood, rubber, concrete, plastics and glass	 Class discussion of different materials Illustration of section of materials Guided discovery on the principles of sectioning 	4
External and internal screw threads	The learner should be able to interpret and draw internal and external threads	 Shafts and their convention for breaks Types of threads Applications Dimensioning 	 Illustration of screw threads Demonstration of drawing internal and external threads Practise 	6
Fasteners	The learner should be able to ildentify and draw	 Using conventions to construct bolts, studs, nuts and screw shafts Webs, ribs, rivets, 	 Illustration of fasteners Demonstration on drawing fasteners and other simple 	12

fasteners and othe simple holding devices	cotters, pins, washers, keys and key ways	 holding devices Guided discovery on the convention of drawing threads 	
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TOPIC: ASSEMBLY DRAWINGS

GENERAL OBJECTIVE:

The learner should be able to identify and assemble parts of the drawing

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Simple assembly drawings	The learner should be able to interpret and draw orthographic assembly from pictorial representation	- Orthographic assembly drawing made from pictorial representation of machine parts or tools like mechanical vice, four-way tool post, adjustable spanner	 Illustration and demonstration of assembly drawing Guided discovery on principles of assembly drawing Assignment 	20
Lay out of conventional data block	The learner should be able to interpret and draw layout of data block for assembly drawing	- Layout of data block for assembly drawing including listing of component parts	 Class discussion of simple assembly drawings Illustration Assignment 	6

OPTION 2 - TERM 3 32 PERIODS

TOPIC: WORKING DRAWINGS

GENERAL OBJECTIVE:

The learner should be able to understand how to draw and interpret working drawings.

SUBTOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/ LEARNING ACTIVITIES	PERIODS
Ground plan	The learner should be able to interpret and draw plans	Scaled drawingsSymbolsDimensionsCompass direction	Demonstration and practice on drawing plans.	20
Building drawing	The learner should be able to identify and make building drawings.	 Proportional free hand sketching. Drawing of windows and doors Pitched Roofing (gable and hipped) 	Illustration of building drawing	12





METAL WORK



ABRIDGED CURRICULUM FOR SENIOR THREE METAL WORK

INTRODUCTION

The Metalwork Abridged Curriculum for Senior Three has been written following the syllabus. Some topics and concepts have been merged and others compressed to the one-year content.

At the beginning of senior two you had covered the introductory topics, these you may not need to repeat rather you are expected to recap the previous topics in order to link learners to the new concepts in this curriculum.

This abridged curriculum will guide you to cover the content of senior two and three in one year. You are required to use the teacher's guides for both senior two and three to implement this curriculum. Where necessary you may need to further combine more other concepts in the curriculum, during your lesson presentations as are related provided you are achieving the aims of studying metalwork at ordinary level.

After this abridged curriculum the teacher will be required to go back to the normal curriculum.

CRITICAL CHANGES IN THE METALWORK SYLLABUS

S/N	CRITICAL CHANGES	JUSTIFICATION
	SENIOR TH	REE - 2022
1.	Topics on joining metals,	The concepts can appropriately be
	machine tools and forge work	covered in the available time.
	are to be taught in term 1.	
2.	Topics on materials and	The concepts ably fit in the available
	Threads and thread cutting	time.
	are to be taught in term 2.	
3.	Heat treatment of plain	The concepts can well be taught in
	carbon steels will be handled	the available time.
	in term 3.	

SENIOR THERE TERM 1 DURATION: 48 PERIODS

TOPIC: JOINING METALS

GENERAL OBJECTIVE: By the end of the topic, the learner should be able to prepare and join metals.

SUB-	SPECIFIC	KEY	TEACHING/LEARNIN	PERIOD
TOPIC	OBJECTIVES	CONCEPTS	G ACTIVITIES	S
Solderin g	The learner should be able to identify tools/equipment, material and use them in soldering.	 Tools, equipmen t and materials used in soldering Types of soldering Safety precautio ns during soldering 	soldering • Identification of types of soldering	12

TOPIC: MACHINE TOOLS

GENERAL OBJECTIVE: By the end of the topic the learner should be able

to use machine tools.

SUB- TOPIC	SPECIFIC OBJECTIVES	KEY CONCEPTS	TEACHING/LEAR NING ACTIVITIES	PERIOD S
Portable Machine tools (Power tools)	The learner should be able to identify and use portable machine tools.	 Portable tools: hand drills, angle grinders Safety, care and maintenance of machine tools 	 Demonstration of the use of portable machine tools Discussion on the safety, care and maintenance of machine tools 	08
Drilling Machines	The learner should be able to identify and use drilling machines.	 Features of drilling machines Types of drilling machines: pedestal and radial Types of drills and their uses: twist drill and countersink Drilling processes: Work and tool holding, coolants Safety, care and maintenance of drilling machines 	the types of drilling machines • Demonstration of drilling operations • Discussion of safety, care and maintenance of	08

TOPIC: FORGE WORK

GENERAL OBJECTIVE: By the end of the topic, the learner should be able

to carry out forging operations.

SUB-	SPECIFIC	KEY CONCEPTS	TEACHING/LEARNING	PERIODS
TOPIC Forging	SPECIFIC OBJECTIVES The learner should be able to identify and use forging tools and equipment.	• Meaning and	ACTIVITIES Discussion on meaning and advantages of forging • Identification of basic forging tools/equipment	PERIODS 08
		maintenance of forging tools/equipme nt	safety, care and maintenance of forging tools/equipment	

TOPIC: METALWORK PRACTICAL

GENERAL OBJECTIVE: By the end of the topic, the learner should be able to

prepare material lists and cutting lists, cost the finished product, and acquire knowledge and skills in

metalwork.

SUB- TOPIC	SPECIFIC OBJECTIVES	KEY CONCEPTS	TEACHING/LEARNING ACTIVITIES	PERIODS
Making a hinge or scoop or square	procedures of preparing pieces for	 Square to datum Marking the pieces Drilling Cutting to size Filing the edges to size 	 Illustration of a hinge or scoop or a square Guided discovery on making a hinge or a 	12
Making a spanner	•The learner should be able to follow the procedures of preparing pieces for making a spanner		 Illustration of a spanner Guided discovery on making a spanner 	

TERM DURATION: 48 PERIODS

TOPIC: THREADS AND THREAD CUTTING BY HAND

GENERAL OBJECTIVE: By the end of the topic, the learner should be able

to identify and cut threads.

SUB-	SPECIFIC	KEY CONCEPTS	TEACHING/LEARNING	PERIODS
TOPIC	OBJECTIVES		ACTIVITIES	
Thread	●The learner		 Guided discovery of 	
cutting	should be	tools: taps and	thread cutting tools	
	able to	dies	Demonstration and	06
	identify and	Procedure of	practice on	
	cut	thread cutting	procedure of thread	
	different	by taps and	cutting by taps and	
	threads	dies	dies	
	· · · · · · · · · · · · · · · · · · ·	• Safety, care and	Discussion of the	
	77	maintenance of	safety, care and	
		thread cutting	maintenance of	
		tools	thread cutting tools	



TOPIC: MATERIALS

GENERAL OBJECTIVE: By the end of the topic, the learner should be able

to identify and use various materials

SUB-	SPECIFIC	KEY	TEACHING/LEARN	PERIODS
Raw materials	The learner should be able to identify raw materials and their classification.	• Classificatio n of materials	Illustration on the classification of materials	06
Productio n of metals	The learner should be able to identify the methods of production of metals	 Basics of the extraction of iron ore Basic process of production of steel 	• Illustration on extraction of iron ore and production of steel	06
Ferrous and nonferrou s metals	The learner should be able to identifyFerrou s and Nonferrous metals, their properties and alloys.	 Physical properties of metals Basic testing of metals: grinding, colour, sound, bending, filing Types of ferrous metals: cast iron (white and grey), 	 Discussion on the Physical properties of metals Demonstration and practies on the basic testing of metals Discussion of the types of ferrous and nonferrous metals Identification of nonferrous alloys 	06

THE NATIONAL SECONDARY SCHOOL ABRIDGED CURRICULUM FOR UGANDA

SUB-	SPECIFIC	KEY	TEACHING/LEARN	PERIODS
TOPIC	OBJECTIVES	CONCEPTS	ING ACTIVITIES	
		wrought iron, plain carbon steels, alloy steels • Types of nonferrous metals: aluminium, copper, zinc, tin • Nonferrous alloys: brass, bronze, solder		



TOPIC: DESIGN AND DRAWING

GENERAL OBJECTIVE: The learner should be able to interpret drawings and draw machine components.

SUB TOPIC	SPECIFIC OBJECTIVES	KEY CONCEPTS	TEACHING/LEARNI NG ACTIVITIES	PERIODS
Basic drawing skills	The learner should be able to: - acquire basic drawing skills use the acquired skills in design and drawing.	Basic skills of: -Tools and equipment used in drawing -Drawing of lines and their uses -Drawing in isometric projections -Drawing orthographi c projections (first and third angle projections) -Sectional views -Assembly views -Free hand sketching	 Brain storming on basic drawing skills Practice on basic drawing skills Assignment on basic drawing skills 	12

TOPIC: METALWORK PRACTICAL

GENERAL OBJECTIVE:

By the end of the topic, the learner should be able to prepare material lists and cutting lists, cost the finished product, and acquire knowledge and skills in metalwork.

SUB	SPECIFIC	KEY	TEACHING/	PERIODS
TOPIC	OBJECTIVES	CONCEPTS	LEARNING	
			ACTIVITIES	
Making a plumb bob or chisel or both	•The learner should be able to follow the procedures of preparing pieces for making a plumb bob or chisel or	 Square to datum Marking the pieces Drilling Cutting to size Filing the 	 Illustration of a plumb bob or chisel Guided discovery on making a plumb bob 	12
	both	size • Finishing		

TERM 3 DURATION: 48 PERIODS

TOPIC: HEAT TREATMENT OF PLAIN CARBON STEELS

GENERAL OBJECTIVE: By the end of the topic, the learner should be able to carry out heat treatment.

SUBT-	SPECIFIC	KEY	TEACHING/	PERIODS
OPIC	OBJECTIVES	CONCEPTS	LEARNING	
			ACTIVITIES	
Heat treatmen t processe s of plain carbon steels	The learner should be able to identify and carry out heat treatment of plain carbon steels.	heat treatment	 Brainstorming on the meaning of heat treatment Demonstrations on the basic heat treatment processes Discussion on the safety precautions during heat treatment 	08

TOPIC: MACHINE TOOLS

GENERAL OBJECTIVE: By the end of the topic, the learner should be able to use machine tools.

SUB-	SPECIFIC	KEY CONCEPTS	TEACHING/LEARNING	PERIODS
TOPIC	OBJECTIVES		ACTIVITIES	
The centre lathe	should be	the centre lathe Basic lathe operations: turning, drilling, thread cutting Work and tool holding on the	 Demonstration and practice of lathe operations Demonstration and practice of work and tool holding on the lathe 	08



TOPIC: DESIGN AND PROJECT

GENERAL OBJECTIVE: By the end of the topic, the learner should be able

to design and carry out projects.

SUB- TOPIC	SPECIFIC OBJECTIVES	KEY CONCEPTS	TEACHING/ LEARNING ACTIVITIES	PERIODS
Basic elemen ts of design	The learner should be able to: -Identify the basic elements of designApply basic elements in design drawing.	Definition of designElements of design	 Discussion on basic elements of design Demonstrati on and practise on basic elements of design 	06
Proble m solving	The learner should be able to: -identify a need to solve an unidentified problemanalyse a problem to come up with a design briefthink through the possible ideas to come up with a possible solutionmake preliminary sketchesmake final working.	• Design process	 Brain storm on problem solving Demonstrati on and guided discovery on systematic approach on solving a problem which demands a tangible product solution 	06

SUB- TOPIC	SPECIFIC OBJECTIVES	KEY CONCEPTS	TEACHING/ LEARNING ACTIVITIES	PERIODS
Project	The learner should be able to design and make articles.	 Design projects involving bench work, machine work, foundry work, fabrication Suggested projects among others that may be affordable: vice, tool rack, cast iron door handle 		12

TOPIC: METALWORK PRACTICAL

GENERAL OBJECTIVE:

By the end of this topic, the learner should be able to prepare material lists and cutting lists, cost the finished product, acquire skills and knowledge in metalwork.

SUBTOPIC	SPECIFIC	KEY	TEACHING/	PERIODS
	OBJECTIVES	CONCEPTS	LEARNING	
			ACTIVITIES	
Making a	●The learner	Planning	• Discussion of a	
bolt and	should be	• Square to	chisel or bolt and	
nut or	able to	datum	nut or screw jack	
screw jack	follow the	Marking the	• Illustration of a	
	procedures	pieces	chisel or bolt and	
	of	Drilling	nut or screw jack	
	preparing	Cutting to size	Guided discovery	08
	pieces for	• Filing the	on making a chisel	



THE NATIONAL SECONDARY SCHOOL ABRIDGED CURRICULUM FOR UGANDA

SUBTOPIC	SPECIFIC OBJECTIVES	KEY CONCEPTS	TEACHING/ LEARNING ACTIVITIES	PERIODS
	making a chisel or bolt and nut or screw jack.	edges to size • Finishing	or bolt and nut or screw jack	



WOODWORK



WOOD WORK ABRIDGED CURRICULUM FOR SENIOR THREE

Guidelines

The Woodwork Abridged Curriculum for Senior Three has been written following the syllabus. Some topics and concepts have been merged and others compressed to one year content.

This abridged curriculum will guide the teacher to cover the content of senior two and three in one year. You are required to use the teacher's guides for both senior two and three to implement this curriculum. After this abridged curriculum the teacher will be required to go back to the normal curriculum.

Critical Changes In The Woodwork Syllabus

- i) The sub-topic on doors in buildings and cabinet door construction and fitting have been merged. These carry the same concept which is simply used in different situations.
- ii) The sub-topic on securing table tops has been removed. The teacher can teach this concept in the practical construction of the occasional table in term 2.
- iii) The sub-topic of problem solving has been removed. This concept can be taught during the practical sessions of tea tray, occasional table.

	CRITICAL CHANGE	JUSTIFICATION
1.	The sub-topics on doors in	These carry the same concept which
	buildings and cabinet door	is simply used in different situations.
	construction and fitting have	
	been merged.	
2.	The sub topic on securing table	The teacher can teach this concept in
	tops has been removed.	the practical construction of the
		occasional table in term 2.
3.	Sub topic of problem solving	This concept can be taught during
	has been removed.	the practical sessions of making the
		tea tray and occasional table.
4.	Cabinet door construction and	They both follow the same theme of
	fitting has been merged with	door construction.
	doors in buildings.	

TERM 1 DURATION: 48 PERIODS

TOPIC: Tools And Equipment

GENERAL OBJECTIVE: The learner should be able to understand the need to classify, identify and use wood working tools and equipment.

SUB- TOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/L EARNING ACTIVITIES	TIME
Marking out, measuring and testing tools	The learner should be able to identify marking out, measuring and testing tools.	 Tape measure Folding rules Foot rules Try square Marking gauge Mortise gauge Cutting gauge Marking knife Pencil Straight edge Calipers 	Identification and demonstration on the use of marking out, measuring and testing tools	4
Cutting tools	The learner should be able to: • Classify cutting tools • Care for and maintain cutting tools	 Hand saws, cross cut saw, rip saw, panel saw Common hand planes: trying plane, jack plane, smoothing plane Chisels: Firmer, paring, mortise 	 Discussion on classificatio n of hand tools Demonstrati on of hand saws and common hand planes Demonstrati on of chisels 	8
Holding and	The learner should be able	Bench viceG-clamps	Demonstrate and practice	4

supporting tools	to identify and use holding and supporting tools.	Sash clamps	use of holding and supporting tools	
Percussion s and impelling/s triking tools	The learner should be able to identify and use percussions and impelling tools.	Hammers: Claw, Warrington, Mallets	Demonstrate on the use of the different hammers and mallets	4

TOPIC: Classification and Construction of Woodwork joints

GENERAL OBJECTIVE: The learner should be able to understand how to make various joints.

SUB- TOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/LEARN ING ACTIVITIES	TIME
Widening joints	The learner should be able to identify and make widening joints.	Types of widening joints: butt, dowelled and rebate	practice the use of	2
Angle/fram ing joints	The learner should be able to identify and make framing joints.	 Mortise and tenon joints 	Demonstrate and practice the use of mortise and tenon joints	4
Lengthenin g joints	The learner should be able to identify and make lengthening joints.	Types of joints: end lap, butt and finger	Demonstrate and practice the use of lengthening joints	2

TOPIC: Woodwork Practical

GENERAL OBJECTIVE: The learner should be able to make a shoe rack or book shelf.

SUB- TOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/LEA RNING ACTIVITIES	TIME
Making a shoe rack or book shelf	 The learner should be able to: Prepare the pieces. Mark the appropriate joints. Cut the joints. Assemble the shoe rack or book shelf. Prepare the shoe rack or book shelf for finishing. 	 Preparation of pieces Marking joints Cutting joints Shaping ends Assembling the shoe rack or book shelf Cleaning shoe rack or book shelf for finishing 	Demonstrating the use of tools to make the shoe rack or book shelf	20

TERM 2 DURATION: 48 PERIODS

TOPIC: Edge Treatment of Manufactured Boards

GENERAL OBJECTIVE: The learner should be able to identify and apply methods of protecting edges of manufactured boards.

SUB- TOPIC	SPECIFIC OBJECTIVES	CONTEN T	TEACHING/LEARNIN G ACTIVITIES	TIME
Lipping	 The learner should be able to: Identify types of lipping to be used on manufactured boards. Identify joints suitable for manufactured board lipping. 	 Butt Tongue and groove Loose tongue and groove Bevel 	 Discussion and illustration of manufactured boards and joints applied Practice using edge treatment of manufactured boards and applied joints 	4

TOPIC: Door Construction and Fitting

GENERAL OBJECTIVE: The learner should be able to construct a door.

SUB- TOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/LEAR NING ACTIVITIES	TIME
Cabinet doorsDoors in buildingDoor fitting	The learner should be able to: • Identify the joints for the door construction.	 Through mortise and tenon, bridle, dowelling, barefaced, stub mortise and tenon 	 Discussion and illustration on door construction Demonstration of door fitting Practise using cabinet door 	12

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 Sketch the door joints. 	construction and fitting	
• Prepare		
pieces and		
mark the		
joints.		
Construct the		
door.		
 Fit the door. 		

TOPIC: Design and Drawing

GENERAL OBJECTIVE: The learner should be able to design and draw pieces of furniture or other wooden constructions.

SUB- TOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/LEARN ING ACTIVITIES	ГІМЕ
Basic drawing technique s	The learner should be able to use the basic drawing techniques in design and drawing.	and their usesIsometric projectionOrthographic	 Discussion on the types of lines and their uses Practice freehand sketching, isometric and orthographic projection 	12

TOPIC: Woodwork Practical

GENERAL OBJECTIVE: The learner should be able to make an occasional table without lower rails.

SUB- TOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING /LEARNING ACTIVITIES	TIME
Occasio nal Table	 The learner should be able to: Prepare the pieces. Mark the appropriate joints. Cut the joints. Assemble the table. Prepare the table for finishing. Apply appropriate finish. 	 Piece preparation Marking joints Cutting joints Assembly Clean table for finishing Apply appropriate finish 	 Discussion and illustration on occasional table Demonstration and practise making occasional table 	20

TERM 3 DURATION: 48 PERIODS

TOPIC: IRONMONGERY, ADHESIVES AND FINISHES

GENERAL OBJECTIVE: The learner should be able to use ironmongery, adhesives and finishes.

SUB-TOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/LEARNING ACTIVITIES	TIME
Ironmongery	The learner should be able to identify and use ironmongery.	Types of ironmongery: • Fixing devices • Fittings for movement • Fittings for security	Demonstrate the use of different ironmongery	6
Adhesives	The learner should be able to identify and use adhesives.	Types of adhesives: • Animal • Polyvinyl Acetate (PVA) • Contact adhesives	Demonstrate the application of different adhesives	6
Finishes		• Stains • Varnishes	Demonstrate and practise the application of different finishes	6

TOPIC: DESIGN AND DRAWING

GENERAL OBJECTIVE: The learner should be able to design and draw pieces of furniture or other wooden constructions.

SUB-TOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/LEARNING ACTIVITIES	TIME
Basic drawing techniques	The learner should be able to use the basic drawing techniques in design and drawing.		• Practise freehand sketching, isometric	12

TOPIC: TEA TRAY

GENERAL OBJECTIVE: The learner should be able to make a tea tray.

SUB-TOPIC	SPECIFIC OBJECTIVES	CONTENT	TEACHING/LEARNING ACTIVITIES	TIME
Making a tea tray	The learner should be able to: Prepare the pieces. Mark the appropriate joints. Cut the joints. Assemble the tray. Prepare the tray for finishing. Apply appropriate finish.	 Piece preparation Marking joints Cutting joints Assembly Clean tray for finishing Apply appropriate finish 	 Discussion and illustration on the teatray Demonstration and practise making teatray 	18





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