

MODEL CURRICULUM

GOLDSMITH: FRAME MAKER

SECTOR: GEMS & JEWELLERY

SUB-SECTOR: HANDMADE GOLD AND GEMS-SET JEWELLERY

OCCUPATION: GOLD SMITH (BASIC)

REF ID: G&J/Q0604, V1.0

NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

GEM & JEWELLERY SECTOR SKILL COUNCIL OF INDIA

for the


MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: **'Goldsmith- Frame Maker'** QP No. **'G&J/Q0604 NSQF Level 4'**

Date of Issuance: **October 15th, 2016**

Valid up to: **October 14th, 2018**

* Valid up to the next review date of the Qualification Pack


Mr. Premkumar Kothari
Chairman
(Gem & Jewellery Skill Council of India)

Goldsmith: Frame Maker

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Goldsmith: Frame Maker”, in the “Gems & Jewellery” Sector/Industry and aims at building the following key competencies amongst the learner.

Program Name	Goldsmith: Frame Maker		
Qualification Pack Name & Reference ID.	G&J/Q0604, v1.0		
Version No.	1.0	Version Update Date	Not Applicable
Pre-requisites to Training	10th Standard passed, preferably		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Make the jewellery frame of gold or alloy: Assessing metal and components for making frame, knowing the procedure of making frames, filing, linking and smoothening the frames, controlling gold loss, detecting product defects, checking quality of frames, returning gold dust to supervisor, reporting problem if any faced. • Maintain IPR and respect copyright: Respecting Intellectual Property Rights of company's products and designs to avoid infringement. • Coordinate with co-workers: Encouraging artisan to work as a team and multitask and communicate with colleagues. • Maintain safe work environment: Familiarising artisan towards potential hazards in order to make work environment healthy and safe for everyone. 		

This course encompasses 4 out of 4 National Occupational Standards (NOS) of “Goldsmith: Frame Maker” Qualification Pack issued by “Gem & Jewellery Skill Council of India”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Make the jewellery frame of gold and alloy</p> <p>Theory Duration (hh:mm) 20:00</p> <p>Practical Duration (hh:mm) 120:00</p> <p>Corresponding NOS Code G&J/N0605</p>	<ul style="list-style-type: none"> To read a job sheet and identify raw materials required for job work. To use tools and equipment required for the job To know about metals and their alloys To assemble components to complete a design frame To be able to control gold loss To be able to detect product defects To be able to check quality To understand jewellery making process To understand the different types of jewellery 	<p>Mandatory - Rolling Mill, Work Bench, Emery Paper, Metal (Copper and Brass), POP Powder, Jewellery Compass, Scrapping Tools, Saw Blades, Black Wax , Different Jewellery catalogues, Tweezers, Gas Torch, Stamping Machine, Copper Wire, Sulphuric Acid, Draw Plate, Honey Bees Wax, Wire Drawing Machine, Gauge, Rod Cutter, T Collet Maker, Square Anvil Block, Hammer, Doming Punch, Wooden Block, Saan (Emery Stone), Mallet (Horn hammer), Ring Rod, Ring Sizer, Tapper Salai, Salai, Double Side File, Round File, Flat File, Double Half File, Saw Frame, Cutter, Plier, Table Brush, Metal Brush, Hand Wise, Triangular File, Metal, Scissor, Scale, Plier With Rubber Handle, Metal Weighing Scale</p> <p>Optional Equipment: Magnetic Tumbler, Shape Punch</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
2	<p>Maintain IPR and respect copyright</p> <p>Theory Duration (hh:mm) 01:00</p> <p>Practical Duration (hh:mm) 02:00</p> <p>Corresponding NOS Code G&J/N9910</p>	<ul style="list-style-type: none"> Respecting Intellectual Property Rights of company's products and designs to avoid infringement 	
3	<p>Coordinate with co-workers</p> <p>Theory Duration (hh:mm) 02:00</p> <p>Practical Duration (hh:mm) 02:00</p> <p>Corresponding NOS Code G&J/N9912</p>	<ul style="list-style-type: none"> Learn how to coordinate with supervisor, colleagues and others Learn the importance of interaction and coordination for personal growth 	
4	<p>Maintain safe work environment</p> <p>Theory Duration (hh:mm) 01:00</p> <p>Practical Duration (hh:mm) 02:00</p> <p>Corresponding NOS Code G&J/N9914</p>	<ul style="list-style-type: none"> Learn about safety procedures Learn about potential hazards in workplace Learn what to do in an emergency situation Learn to use the fire extinguisher by identifying the appropriate fire Learn how to comply with company safety rules and regulations 	<p>Mandatory – First aid Kit, Fire Extinguisher</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Total Duration</p> <p>Theory Duration 24:00</p> <p>Practical Duration 126:00</p>	<p>Unique Equipment Required: Rolling Mill, Work Bench, Emery Paper, Metal (Copper and Brass), POP Powder, Jewellery Compass, Scrapping Tools, Saw Blades, Black Wax , Different Jewellery catalogues, Tweezers, Gas Torch, Stamping Machine, Copper Wire, Sulphuric Acid, Draw Plate, Honey Bees Wax, Wire Drawing Machine, Gauge, Rod Cutter, T Collet Maker, Square Anvil Block, Hammer, Doming Punch, Wooden Block, Saan (Emery Stone), Mallet (Horn hammer), Ring Rod, Ring Sizer, Tapper Salai, Salai, Double Side File, Round File, Flat File, Double Half File, Saw Frame, Cutter, Plier, Table Brush, Metal Brush, Hand Wise, Triangular File, Metal, Scissor, Scale, Plier With Rubber Handle, Metal Weighing Scale, Equipment: Magnetic Tumbler, Shape Punch, First aid Kit, Fire Extinguisher</p>	

Grand Total Course Duration: **150 Hours, 0 Minutes**

(This curriculum has been approved by [Gem & Jewellery Skill Council of India](#))

Trainer Prerequisites for Job role: “Goldsmith: Frame Maker” mapped to Qualification Pack: “G&J/Q0604, v1.0”

Sr. No.	Area	Details
1	Job Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “G&J/Q0604”, Version 1.0.
2	Personal Attributes	Aptitude for conducting training, and pre/post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	Minimum 10th Standard Passed
4a	Domain Certification	Certified for Job Role: <u>Goldsmith: Frame Maker</u> mapped to QP: “ <u>G&J/Q0604, v1.0</u> ”. Minimum accepted score as per SSC guidelines is 80% on the SSC prescribed online theory assessment test based on an industry validated question bank.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “SSC/1402”. Minimum accepted score for the trainer is 80% as per SSC guidelines.
5	Experience	The minimum experience required is 2-3 years in frame making.

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Goldsmith: Frame Maker
Qualification Pack	G&J/Q0604, v1.0
Sector Skill Council	Gem & Jewellery Skill Council of India

Sr. No.	Guidelines for Assessment
1	Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2	The assessment for the theory part will be based on knowledge bank of questions created by the SSC
3	Individual assessment agencies will create theory question papers for candidates at every examination/training centre. (as per assessment criteria below)
4	Individual assessment agencies will create practical tests for skill evaluation for candidates at every examination/training centre. (as per assessment criteria below)
5	To pass the Qualification Pack, every candidate should score a minimum 70% of aggregate marks to successfully clear the assessment
6	In case of successfully passing only certain number of NOSs, the candidate is eligible to take subsequent assessment on the balance NOSs to pass the Qualification Pack.

Assessment Outcomes	Assessment Criteria for Outcomes	Marks Allocation			
		Total Marks (80+20)	Out of	Theo ry	Skills Practical
1. G&J/N0605 Make the jewellery frame of gold or alloy	PC1. Accurately assess precious metal or alloy required as per design including beginning weight, gold lost in subsequent processes, and end product weight	75	5	1	4
	PC2. Assess component types and quantities required		5	1	4
	PC3. Deliver in time to cleaning, polishing, buffing process		2	0	2
	PC4. Make accurate replica as per design with minimum rework		5	1	4
	PC5. Achieve weight, size and detailing dimensions as per design		4.5	0.5	4

PC6. Achieve improved productivity per design type		2	0	2
PC7. Complete wok with minimum hazards and accidents		4	0	4
PC8. Achieve smooth finish and safe to wear ornament		5	1	4
PC9. Make strong but flexible joints		5	1	4
PC10. Achieve clean soldering without damage to frame		4	1	3
PC11. Achieve improved productivity and quality as per design requirement		4	0	4
PC12. Maintain loss limit as per company's loss margin policy		5	1	4
PC13. Undertake regular gold-dust cleaning as prescribed by company		4	1	3
PC14. Account for loss and maintain related documentation		5	1	4
PC15. Achieve size, weight, finish, detailing and dimensions as per design		4	0	4
PC16. Maintain utility factor maintained for ease of wearing and safety		3	0	3
PC17. Ensure that joints are firm and flexible and frame is even		4.5	0.5	4
PC18. Achieve QC-okayed base frame		2	0	2

	PC19. Deliver complete product on time by reporting problems faced or anticipated well in advance		2	0	2
	Sub Total		75	10	65
2.G&J/N9910 Maintain IPR and respect copyright	PC1. Spot plagiarism and report	9	4	2	2
	PC2. Understand rationale of patents and IPR		3	1	2
	PC3. Avoid being involved in IPR violations		2	1	1
	Sub Total		9	4	5
3. G&J/N9912 Coordinate with co- workers	PC1. Understand the work output requirements	8	2	1	1
	PC2. Understand company policy and rule		2	1	1
	PC3. Deliver quality work on time as required by reporting any anticipated reasons for delays		1	0	1
	PC4. Put team over individual goals		1	0	1
	PC5. Resolve conflicts and multi-task		2	1	1
	Sub Total		8	3	5
4. G&J/N9914 Maintain safe work environment	PC1. Spot and report potential hazards on time	8	4	2	2
	PC2. Follow company policy and rules regarding use of hazardous materials		2	0	2
	PC3. Deliver quality work on time as required by reporting any anticipated reasons for delays		2	1	1
	Sub Total		8	3	5
	Grand Total		100	100	20
	Percentage Weightage:			20%	80%
	Minimum Pass% to qualify (aggregate):			70%	