

2017 DIVISION TECHNOLYMPICS

CONTEST AREA: INDUSTRIAL ARTS

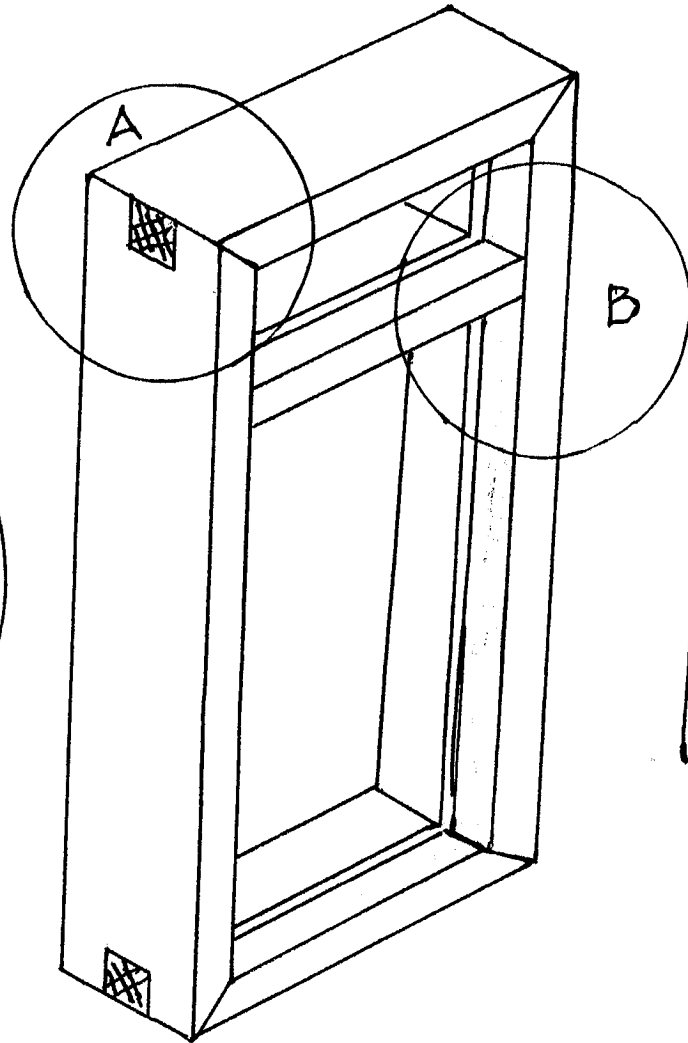
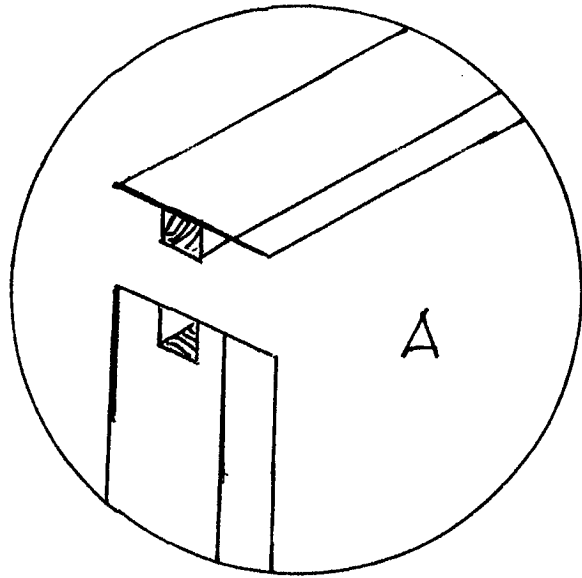
GRADE LEVEL: 9-12

Number of Participant : 1

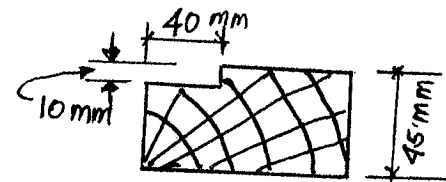
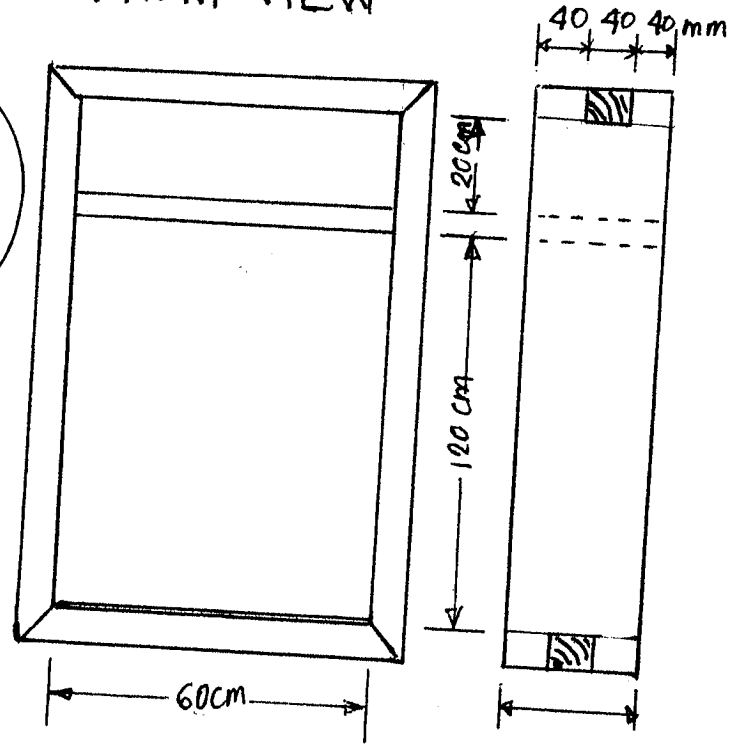
CONTEST PACKAGE	ASSESSMENT		PROCESS/ SPECIFICATIONS	RESOURCES						
	CRITERIA	PERCENTAGE	PRELIMINARY ACTIVITIES	T O O L S	Contestant/s	Organizer/s				
Construction of Window Jamb	Workmanship	60%	a. Contest registration of trainers and contestants b. Submission of required documents for the contest c. Ocular inspection of the contest venue d. Briefing/orientation of trainers with the contest administrator a day before the actual competition. e. Inspection and distribution of contest materials and other paraphernalia		E Q U I P M E N T	a. Pull-push rule b. Cross cut saw c. Jack plane d. Claw hammer e. Try square f. 1 inch flat Chisel g. Nail set h. Chalk line i. Bar Clamp j. Steel square k. Mortise gauge/ marking gauge l. Bar level				
TIME ALLOTMENT	Proper use of Materials, Tools and Equipment	15%	DURING	E Q U I P M E N T		a. Portable planer b. Portable sander c. Electric drill	a. Working bench with vise			
5 Hours			a. Briefing of trainers and contestants with the contest administrator (10 min.) b. Final instructions of trainers with their contestants. c. Inspection of contest materials, tools and equipment. d. Other instructions.							
DESCRIPTION	Safety Practices and Work Habits	10%	AFTER							
A window jamb is a part of the structural support of a window. It composes of stile and rail that forms a rectangular or square shape. The materials can vary and may be wood, plastic or metal.	Speed/Time	10%	a. Trainers shall serve as judges. b. All outputs shall be submitted to the Secretariat by the contest administrator. c. All outputs shall be displayed until the duration of the skills competition.							
	Communication Skills	5%								
	Total	100%								
ILLUSTRATION	ATTACHMENT(S)		NOTES					M A T E R I A L S	a. 15 pcs. CWN 2 ½" b. 15 pcs CWN 3" c. 2 pcs. 2" X 5" X 10' Rough lumber d. Sand paper(no. 80)	
Working Drawing	Analytic Scoring Rubrics		a. With regard to the provision of resources, the division and regional organizers may opt to deviate. b. Bench wood working tool and power tools are allowed. c. Contestant must bring their own tools. d. No using of fillers to overcome defect and faulty joints. e. The contestant should be ready to defend his finish project when asked by the judges. f. The contestant should be ready to defend his finish project when asked by the judges. g. During the contest, judges/coaches maintain 3 meters away from the contest area.							
EMPLOYMENT OR BUSINESS	FORM OF JUDGING									
Carpenter. Fabricator	Compatriot Judging									
USE										
It is used to hold window frames and jalousies.										

ANALYTICAL PERFORMANCE SCORING RUBRICS FOR CONSTRUCTION OF WINDOW JAMB

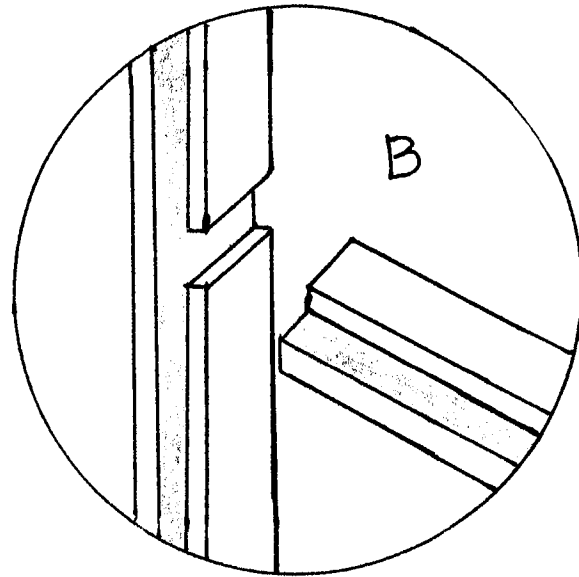
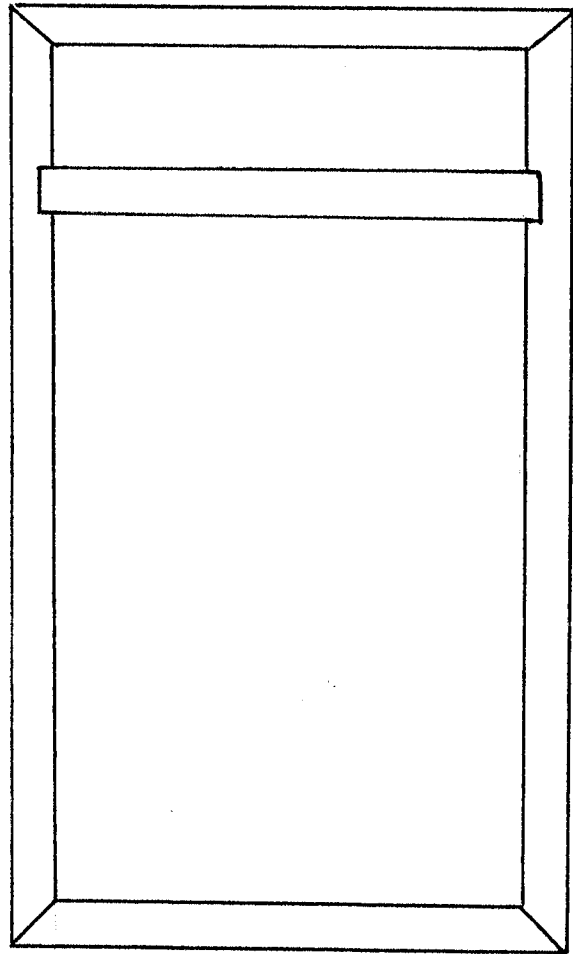
CRITERIA		PERFORMANCE INDICATORS			
A. WORKMANSHIP	60%	30	25	20	15
1. ACCURACY	30%	<ul style="list-style-type: none"> All measurements was accurate with 1 mm tolerance. 	<ul style="list-style-type: none"> Most measurements were accurate within 2 mm tolerance 	<ul style="list-style-type: none"> Measurements with some errors within 3 mm tolerance 	<ul style="list-style-type: none"> Inaccurate measurements within 4 mm or more tolerance
2. Stability Quality	20%	20	18	16	14
		<ul style="list-style-type: none"> All joints were snugly fitted 	<ul style="list-style-type: none"> Some joints were fitted 		
3. Surface Preparation	10%	10	8	6	4
		<ul style="list-style-type: none"> Surfaces were sanded 	<ul style="list-style-type: none"> 80% of the surfaces were sanded 	<ul style="list-style-type: none"> 50% of the surfaces were sanded 	<ul style="list-style-type: none"> 25% of the surfaces were sanded
B. PROPER USE OF TOOLS, MATERIALS AND EQUIPMENT	15%	15	12	10	6
		<ul style="list-style-type: none"> Was able to economically use all the materials Appropriate tools/equipment were used at all times properly. 	<ul style="list-style-type: none"> Did not use the materials economically Appropriate tools/equipment were used most of the time. 	<ul style="list-style-type: none"> Was able to economically use some of the materials Appropriate tools/equipment were properly used some times. 	<ul style="list-style-type: none"> Most materials go to waste Inappropriate tools/equipment were used at all times
C. SAFETY PRACTICES AND WORK HABITS	10%	10	8	6	4
		<ul style="list-style-type: none"> Observes safety practices and work habits at all times while performing the process of making the project. 	<ul style="list-style-type: none"> Recognizes safety practices and work habits at all times while performing the process of making the project.(1 violation) 	<ul style="list-style-type: none"> Observes safety measures and safety habits at all times while performing the process of making the project.(2 violations) 	<ul style="list-style-type: none"> Does not observes safety practices and work habits at times while performing the process of making the project. (3 or more violations)
D. SPEED/ TIME	10%	10	7	4	2
		<ul style="list-style-type: none"> Finished the project 15 mins. before the given time. 	<ul style="list-style-type: none"> Finished the project 10 mins. before the given time. 	<ul style="list-style-type: none"> Finished the project within the time limit. 	<ul style="list-style-type: none"> No attempt to finished the project on time
E. COMMUNICATION SKILLS	5%	5	4	3	2
		<ul style="list-style-type: none"> Able to clearly explain with confidence all the following: <ol style="list-style-type: none"> a. processes b. function <ul style="list-style-type: none"> - tools -material - equipment c. cost of production d. employability e. business opportunity 	<ul style="list-style-type: none"> Able to clearly explain with confidence only four(4) of the following: <ol style="list-style-type: none"> a. processes b. function <ul style="list-style-type: none"> - tools -material - equipment c. cost of production d. employability e. business opportunity 	<ul style="list-style-type: none"> Able to clearly explain with confidence only three (3) of the following: <ol style="list-style-type: none"> a. processes b. function <ul style="list-style-type: none"> - tools -material - equipment c. cost of production d. employability e. business opportunity 	<ul style="list-style-type: none"> Able to clearly explain with confidence only two (2) of the following: <ol style="list-style-type: none"> a. processes b. function <ul style="list-style-type: none"> - tools -material - equipment c. cost of production d. employability e. business opportunity
Total	100%				




FRONT VIEW



BACK VIEW




PREPARED BY: 
THOMAS B. DACAWE
TXAS. TUBA BENGUET

2017 DIVISION TECHNOLYMPICS

CONTEST AREA: Home Economics	YEAR LEVEL: Grade 11 or 12	Number of Participant: 1
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CONTEST PACKAGE	ASSESSMENT		PROCEDURES/SPECIFICATIONS	T O O L S	RESOURCES	
	CRITERIA	PERCENTAGE	PRELIMINARY ACTIVITIES		Contestant/s	Organizer/s
Bread & Pastry Production	Workmanship	40%	a. Contest Registration of trainers & contestants b. Submission of required documents for the contest. c. Ocular inspection of the contest venue. d. Briefing/orientation of the trainers with the contest administrators a day before the actual competition/Solidarity meeting.	E Q U I P M E N T	*Baking tools & utensils needed * Plating Plates *Tasting Spoons	
	TIME ALLOTMENT	General Appearance				
4 Hours						
DESCRIPTION A skill for one (1) participant who will perform the three (3) projects namely; Prepare Bakery Products , Prepare Pastry Products Prepare & Present Gateaux, Cakes and Tortes, & Prepare Petit Fours following industry standards within 4 hours.	Taste/Palatability	10%	DURING a. Briefing of trainers and contestants with the contest coordinator (10 minutes). b. Final instruction of trainers with their contestants.	M A T E R I A L S	* Materials needed like Recipe Cards, etc...	a. Two (2) Working Tables b. Sink c. Oven d. Gas Stove/Electric Stove e. Gas Tank f. Refrigerator/Freezer g. Extension Wires
	Speed	10%	AFTER			
ILLUSTRATION	Communication Skills	5%	a. Trainers shall serve as judges. b. All outputs shall be endorsed to the Secretariat by the Contest Administrator.			
None	TOTAL	100%				
EMPLOYABILITY OR BUSINESS OPPORTUNITY	ATTACHMENTS		NOTES			
Bread & Pastry Production NC II/Pastry Chef	A. Analytic Scoring Rubrics B. Guidelines C. Judging Sheet		a. With regard to the provision of resources, the division and regional organizers may not deviate. b. Read additional guidelines in Attachments B.			
USE	FORM OF JUDGING					
Snacks, Meals	Compatriot Judging with at least one (1) Judge from TESDA (Trainer/Assessor in Cookery NC II)					

	REGIONAL TECHNOLYMPICS- COOKERY	Date Developed: October 2016	Document No.	
	Contest Package	Developed by: FROILAN SHYR P. AROCO BeNHS-Main	Issued by:	Page 1 of 5
			Revision No:	

ANALYTIC PERFORMANCE SCORING RUBRICS FOR COOKERY

CRITERIA		PERFORMANCE LEVEL			
A. WORKMANSHIP	40%	10	8	6	4
• Preparation of Ingredients	10	<ul style="list-style-type: none"> All ingredients were systematically and orderly prepared and arranged. 	<ul style="list-style-type: none"> Most of the ingredients were arranged. 	<ul style="list-style-type: none"> Some ingredients came from original packaging. 	<ul style="list-style-type: none"> Ingredients were pulled/taken out at a time from its source.
• Mixing Techniques	10	<ul style="list-style-type: none"> Followed the correct direction and technique in mixing. 	<ul style="list-style-type: none"> Followed the correct direction and technique in mixing but with one to two (1 to 2) deficiencies. 	<ul style="list-style-type: none"> Followed the correct direction and technique in mixing but with three to four (3-4) deficiencies. 	<ul style="list-style-type: none"> Followed the correct direction and technique in mixing but with five (5) or more deficiencies.
• Proper Use of Tools and Equipment	10	<ul style="list-style-type: none"> Appropriate tools were properly used in each task. Tools are arranged properly and orderly at all times. 	<ul style="list-style-type: none"> Appropriate tools were used most of the time in each task. Tools were arranged properly and orderly most of the time. 	<ul style="list-style-type: none"> Appropriate tools were properly used sometimes. Tools were not arranged properly. 	<ul style="list-style-type: none"> Tools were used inappropriately most of the time. Tools were placed anywhere.
• Work Habits and Food Safety	10	<ul style="list-style-type: none"> Appropriate Personal Protective Equipment/Clothing was used at all times. Observed cleanliness and orderliness of the working all the time. 	<ul style="list-style-type: none"> Appropriate Personal Protective Equipment/Clothing was used most of the time. Observed cleanliness and orderliness most of the time. 	<ul style="list-style-type: none"> Appropriate Personal Protective Equipment/Clothing was used sometimes. Observed cleanliness and orderliness sometimes. 	<ul style="list-style-type: none"> Was not able to use appropriate PPE/PPC. Cleanliness and orderliness of the area were not observed for the duration of the contest.
B. GENERAL APPEARANCE	30%	10	8	6	4
Cake & Petit Four	10	<ul style="list-style-type: none"> Design is unique and artistically done Color combination is pleasing Icing is evenly smooth and fine free from lumps, stiff, holds its shape and of good spreading consistency Cake is very light in proportion to its weight, crumb must be tender, moist, snowy white with small uniform cells, slightly rounded top and free from cracks or peaks 	<ul style="list-style-type: none"> With 1 to 2 deficiencies 	<ul style="list-style-type: none"> With 3 to 4 deficiencies 	<ul style="list-style-type: none"> With 5 or more deficiencies
Tarts	10	<ul style="list-style-type: none"> Has even thinness all over, attractive and neat with even edges, fits the pan well, light golden brown with darker brown edges, crust is tender and flaky, cuts easily. Filling is just enough. 	<ul style="list-style-type: none"> With 1 to 2 deficiencies 	<ul style="list-style-type: none"> With 3 to 4 deficiencies 	<ul style="list-style-type: none"> With 5 or more deficiencies
Bread	10	<ul style="list-style-type: none"> Well-proportioned, symmetrical, rounded top Even, rich golden brown color Crust is tender and free from cracks Crumb or grain is creamy white, free from streaks, tender, soft and slightly moist. 	<ul style="list-style-type: none"> With 1 to 2 deficiencies 	<ul style="list-style-type: none"> With 3 to 4 deficiencies 	<ul style="list-style-type: none"> With 5 or more deficiencies



REGIONAL TECHNOLYMPICS- COOKERY

Contest Package

Date Developed: **October 2016**

Developed by: **FROILAN SHYR P. AROCO**
BeNHS-Main

Document No.


Issued by:
Revision No:

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C. TASTE/PALATABILITY	15%	5	4	3	2
Cake & Petit Four	5	<ul style="list-style-type: none"> Pleasing delicate, sweet, well-blended and uniform flavor Icing sweet and creamy 	<ul style="list-style-type: none"> With 1 to 2 deficiencies 	<ul style="list-style-type: none"> With 3 to 4 deficiencies 	<ul style="list-style-type: none"> With 5 or more deficiencies
Tarts	5	<ul style="list-style-type: none"> Rich, delicate, no scorched fat or salty taste, filling and crust does not overpower each other 	<ul style="list-style-type: none"> With 1 to 2 deficiencies 	<ul style="list-style-type: none"> With 3 to 4 deficiencies 	<ul style="list-style-type: none"> With 5 or more deficiencies
Bread	5	<ul style="list-style-type: none"> Blended flavor Slightly sweet and nutty 	<ul style="list-style-type: none"> With 1 to 2 deficiencies 	<ul style="list-style-type: none"> With 3 to 4 deficiencies 	<ul style="list-style-type: none"> With 5 or more deficiencies
E. SPEED	10%	10	8	6	4
		<ul style="list-style-type: none"> Was able to finish the output at least 30+ minutes before the allotted time. 	<ul style="list-style-type: none"> Was able to finish the output at least 15 minutes before the allotted time. 	<ul style="list-style-type: none"> Was able to finish the output within the allotted time. 	<ul style="list-style-type: none"> Was not able to finish the output within the allotted time.
F. COMMUNICATION SKILLS	5%	5	4	3	2
		<ul style="list-style-type: none"> Was able to clearly discuss/explain with confidence all of the following; <ul style="list-style-type: none"> a. Process b. Function of Tools, Materials & Equipment (at least 10) c. Cost of Production d. Employability e. Business Opportunity 	<ul style="list-style-type: none"> Was able to clearly discuss/explain with confidence four (4) of the following; <ul style="list-style-type: none"> a. Process b. Function of Tools, Materials & Equipment (at least 10) c. Cost of Production d. Employability e. Business Opportunity 	<ul style="list-style-type: none"> Was able to clearly discuss/explain with confidence three (3) of the following; <ul style="list-style-type: none"> a. Process b. Function of Tools, Materials & Equipment (at least 10) c. Cost of Production d. Employability e. Business Opportunity 	<ul style="list-style-type: none"> Was able to clearly discuss/explain with confidence two (2) of the following; <ul style="list-style-type: none"> a. Process b. Function of Tools, Materials & Equipment (at least 10) c. Cost of Production d. Employability e. Business Opportunity

Prepared by:


FROILAN SHYR P. AROCO
 BeNHS-Main

	REGIONAL TECHNOLYMPICS- COOKERY Contest Package	Date Developed: October 2016	Document No.	
		Developed by: FROILAN SHYR P. AROCO BeNHS-Main	Issued by:	Page 3 of 5
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CONTEST GUIDELINES

A. The contestant/participant is required to perform the three projects below in 3 hours following industry standards; (Based from the required recipes to be prepared in the Bread & Pastry Production NC II assessment)

1. Prepare Bakery Products

1.1. Any Yeast Bread using Soft Rolls Recipe (e.g. Spanish Bread, Cinnamon Rolls)

* Single Recipe, at least 12 to 24 pieces

2. Prepare Pastry Products

2.1. Tarts – with cooked or uncooked filling

* at least 3 to 5 pieces (serving portion)

3. Prepare and Present Gateaux, Cakes & Tortes

3.1. Chiffon Cake with Butter Cream Icing

* Cake may be flavored, must be an 8-10 inch (diameter) round cake

* Icing must be Butter Cream Icing only

4. Prepare Petit Fours


4.1 Prepare at least 4 pieces of different kinds

B. Coach must be a National Certificate II holder in Bread & Pastry Production or higher. Bring original and photocopy of the certificate.

C. All tools, materials, supplies/ingredients and equipment shall be provided by the contestant/participant except for some that will be provided by the host school as specified in the contest package.

D. All recipes must be written in an 8.5" x 6.5" Recipe Card (½ crosswise long bond paper size) and be placed beside each dish.

E. All other concerns will be discussed during the solidarity meeting.

	REGIONAL TECHNOLYMPICS- COOKERY	Date Developed: October 2016		Document No.	
	Contest Package	Developed by: FROILAN SHYR P. AROCO BeNHS-Main		Issued by: Revision No:	Page 4 of 5

STEP Skills Development and Competitions 2017

CONTEST AREA:

YEAR LEVEL:

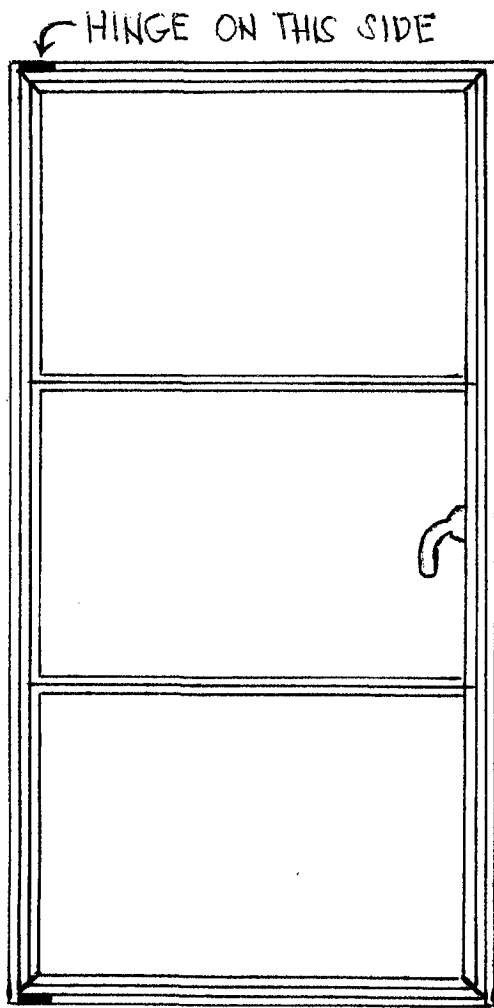
GRADE 9 TO 12 | TIME : 2 HRS.

NUMBER OF PARTICIPANT: 2

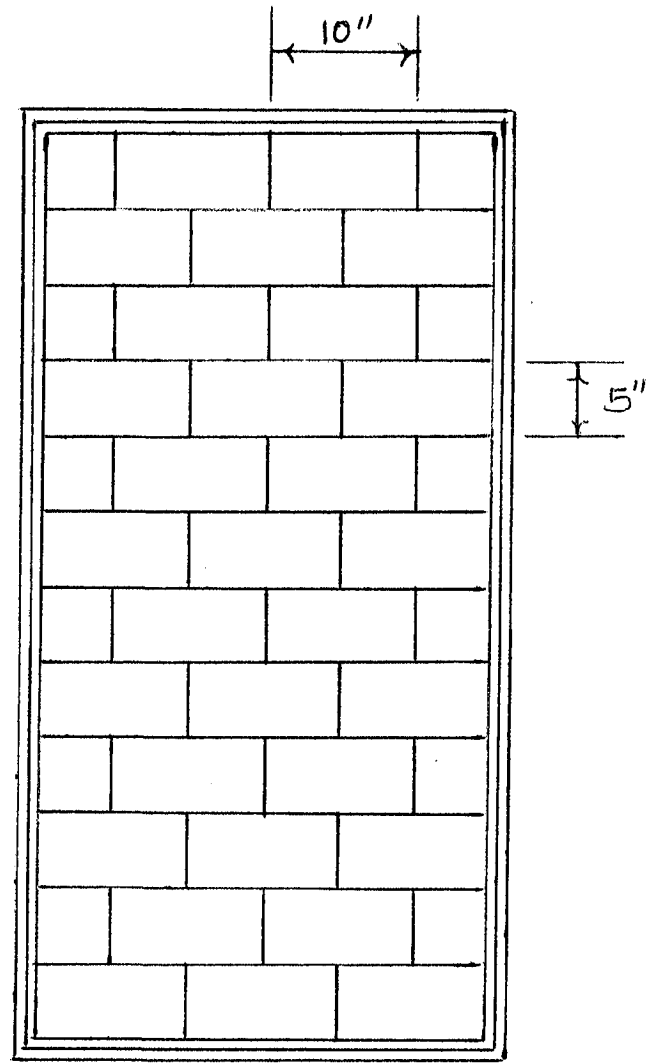
CONTEST PACKAGE	ASSESSMENT		PROCEDURE/SPECIFICATIONS	RESOURCES				
SINGLE STEEL WINDOW WITH 3 LIGHTS/GLASS OF ¼ X 14" X 20"	CRITERIA	PERCENTAGE	<p style="text-align: center;">PRELIMINARY ACTIVITIES</p> a. Contest registration of trainers and contestants b. Submission of required documents for the contest. c. Ocular inspection of the contest venue. d. Briefing orientation of trainers with the contest administrator a day before the actual competition. e. Inspection and distribution of contest materials and paraphernalia.	TOOLS	CONTESTANTS	ORGANIZER/VENUE		
	WORKMANSHIP	60 %			<p style="text-align: center;">DURING THE CONTEST</p> a. Briefing of trainers and contestants with the contest administrator. b. Final instruction of trainers to their contestants. c. Inspection of contest materials, tools, and equipment. d. briefing of contest administrator with the judges. e. others	EQUIPMENT	a. pull-push rule b. hacksaw c. ballpeen hammer d. chipping hammer e. try-square f. marking chalk g. PPE	a. anvil b. bench vise c. welding machine d. speed cutter e. working table
	USE OF TOOLS AND EQUIPMENT	15 %						
	SAFETY PRACTICES	10 %						
	SPEED	10 %						
	COMMUNICATION SKILLS	5 %						
TOTAL	100 %							
DESCRIPTION			<p style="text-align: center;">AFTER THE CONTEST</p> a. Trainers shall serve as judges with one (1) expert in the area/category. b. All outputs/results shall be endorsed to the Secretariat by the Contest Administrator. c. All endorsed outputs/results shall be displayed until the duration of the skills competition.	MATERIALS	a. 7/8" Z-bar b. 10 mm square bar c. electrode, 6013 d. window hinges e. window lock f. T - bar			
A ready to install steel window to a house that will also serve as a safety grill.								
ILLUSTRATION								
See attached working drawing.								
EMPLOYABILITY OR BUSINESS OPPOTUNITY						ATTACHMENT/S		
Construction welder, steel window and door fabricator, contractor, welding shop proprietor						Analytic Scoring Rubrics		
USE	JUDGING	<p style="text-align: center;">NOTES</p> a. Coaches are allowed to observe the process within 3 meter range. b. With regard to the provision of resources, the division and regional organizers may opt to deviate. c. Designs shall be provided by the organizers. (Designs may differ in District/Division/Regional and National level)						
Enhance the appearance and safety grills for a house.	Compatriot Judging							

**ANALYTIC PERFORMANCE SCORING RUBRICS FOR STEEL WINDOW
(SINGLE, 3 LIGHTS/GLASS OF 14" X 20")**

CRITERIA	%	PERFORMANCE LEVEL				SCORE	REMARKS
A. WORKMANSHIP							
1. MEASUREMENT	20%	20- all glass frame measurement are within the agreed dimension with + - 1/16" tolerances.	18- One glass frame measurement is not within the agreed dimension.	16- two glass frame measurement are not within the agreed dimension	14- three or more glass frame measurement are not within the agreed dimension.		
2. SQUARENESS	20%	20- All sides of jamb and glass frame are right angle (90 degrees) measured at inside area.	18- one side of either jamb and glass frame is not right angle.	16- two side of either jamb or glass frame are not right angle	14- three side or more of either jamb and glass frame are not right angle.		
3. Width and Height of Weld Beads	15%	15- all weld beads are nearly uniform/the same in width and height	13- Two- three weld beads are not nearly uniform to the others.	11- Four-Five weld beads are not nearly uniform to the others in width and height.	9- Six or more weld beads are not in uniform width and height with others.		
4. FUNCTIONALITY	5%	5- Lock and glass frame swings freely without hesitation.	4- Lock is hard to turn but glass frame swings freely.	3- Lock turns freely but glass frame has hesitation or hard to turn	2- lock and glass frame are hard to turn/open.		
B. USE OF TOOLS and EQUIPMENT	15%	15- Appropriate tools and equipment were orderly and properly used at all times.	13- One tool/equipment is not properly used and not in order.	11- Two tools/ equipments were not properly used and not in order.	9- Three or more tools/ equipments were not properly used and not in order.		
C. SAFETY PRACTICES	10%	10- Observed safety and use all the following PPE: apron, gloves, goggles/clear shield, leather shoes, and welding shield.	8- Didn't observed one safety or didn't use one of the following PPE: apron, gloves, goggles/clear shield, leather shoes, and welding shield.	6- Didn't observed two safety practices or did not use two of the PPE.	4- Didn't observed three safety practices or did not use three or more of the following PPE.		
D. SPEED	10%	10- Able to finish the output 10 minutes before the allotted time.	9- Able to finish the output 5-9 minutes before the allotted time.	8- Able to finish the output within the allotted time.	7- Was not able to finish the output within the allotted time.		
E. COMMUNICATION SKILLS	5%	5 – Able to discuss/explain with confidence all of the following: a) Process b) Function of tools, equipment and materials c) cost of production d) employability e) business opportunity	4 – Able to discuss/explain with confidence 4 of the following: a) Process b) Function of tools, equipment and materials c) cost of production d) employability e) business opportunity	3 – Able to discuss/explain with confidence 3 of the following: a) Process b) Function of tools, equipment and materials c) cost of production d) employability e) business opportunity	2 – Able to discuss/explain with confidence 2 of the following: a) Process b) Function of tools, equipment and materials c) cost of production d) employability e) business opportunity		
TOTAL	100%			TOTAL SCORE			



GLASS FRAME
Glass Size : $\frac{1}{4}$ " x 14" x 20"



WINDOW JAMB
with 10mm Square bar grille



Republic of the Philippines
DEPARTMENT OF EDUCATION
Cordillera Administrative Region
SCHOOLS DIVISION OF BENGUET
Wangal, La Trinidad, Benguet 2601



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 Supply Office: (074) 424-2863; Lobby/Officer of the Day: (074) 422-2001

2017 DIVISION TECHNOLYMPICS

Contest Area	HOME ECONOMICS		
Grade Level	Grade 7 to 8		
Event Package	HANDICRAFTS (Paper)		
No. of Participants	One (1)		
Time Allotment	Three (3) Hours		
Description	A recycle market basket material made out of paper such as newspaper, brochure and other types of recyclable paper.		
Criteria for Assessment	Criteria	Percentage	
	A. Creativity and Innovation <ul style="list-style-type: none"> • Originality of design • Combination and additional use of materials 	20% 10%	30%
	B. Process <ul style="list-style-type: none"> • Use of appropriate tools, materials and equipment • Method and workmanship • Safety work habits and housekeeping 	10% 10% 10%	30%
	C. Marketability <ul style="list-style-type: none"> • Quality, durability and functionality • Affordability • Visual Appeal 	10% 5% 5%	20%
	D. Time Management		10%
	E. Communication Skills		10%

I. Contest Rules and Mechanics

- a. The Contest Administrator, members of the Technical Evaluation Committee and Board of Judges should be in the venue sixty (60) minutes ahead of the contest schedule.
- b. Contest materials, supplies, tools, equipment and other needed things shall be provided by the contestant/s.
- c. All participants must be in the contest venue thirty (30) minutes before the contest starts. Late participants without valid reason shall be disqualified.
- d. The participants will draw lots to determine their respective places and set up their tools and materials on their assigned places. Setting up of extension cords, equipment and tools should be done this time.
- e. Each student shall wear appropriate PPE according to the standard requirements.
- f. Final briefing of participants shall be done fifteen (15) minutes before the contest proper.
- g. The Contest Administrator will give signal to start the contest proper. Once the event has been started, the teacher-coaches and other delegates are strictly prohibited within the contest area except if the teacher-coaches will be judges (compatriot judging).
- h. No questions shall be entertained during the contest proper except clarifications and points of order. All clarifications and points of order will be directed to the Contest Administrator.
- i. Borrowing of materials, supplies, tools and equipment during the contest is not allowed.
- j. Should there be irregularities found during the contest, the Contest Administrator, in consultation with the Board of Judges, may suspend the conduct of the skills exhibition, if justified and refer the matter to the attention of the Technical Evaluation Committee, for appropriate action.
- k. The working area should be cleaned immediately after the contest.
- l. Each participant will go through a panel interview and deliberation with the Board of Judges after the three hour time allotment.

II. Inputs (Resource Requirement)

	Participant	Host School
a. Supplies and materials	Paper materials Wire, cord, yarn Adhesive/sticking materials such as glue, glue sticks etc.	
b. Tools and equipment	E.g. glue gun, scissor etc.	Working Tables
C. Others		Display area of finished crafts

Prepared by:

IRINE A. BOTING
GBDAIS - Main

ANALYTIC PERFORMANCE OF SCORING RUBRICS FOR HANDICRAFT - PAPER

CRITERIA	PERFORMANCE INDICATOR			
	95	90	85	80
A. Creativity and Innovation (30%)				
1. Originality of design (20%)	Design is unique and artistically done.	Design is unique but not artistically done.	Design is not unique but artistically done.	Design is not unique and not artistically done.
2. Combination and additional use of material (10%)	Appropriate combination and additional use of materials are artistically done.	Appropriate combination and additional use of materials are not artistically done.	Inappropriate combination and additional use of materials are done.	No combination and additional use of materials.
B. Process (30%)				
1. Use of appropriate tools, materials and equipment (10%)	Handled and used all hand tools/equipment properly.	One (1) or two (2) hand tools/equipment were not properly handled and used.	Three (3)) hand tools/equipment were not properly handled and used.	All hand tools/equipment were not properly handled and used.
2. Method and workmanship (10%)	Exhibited outstanding confidence all throughout while working.	Exhibited one incident of diffidence or being uncertain while working.	Exhibited two incident of diffidence or being uncertain while working.	Exhibited three or more incident of diffidence or being uncertain while working.
3. Safety work habits and housekeeping (10%)	Observe all of the following: a. Careful use of sharp tools and equipment. b. Cleaned tools after tools. c. Observance of health and sanitation. d. Cleanliness and orderliness of the working area all the time.	Observe three (3) of the following: a. Careful use of sharp tools and equipment. b. Cleaned tools after use. c. Observance of health and sanitation. d. Cleanliness and orderliness of the working area all the time.	Observe two (2) of the following: a. Careful use of sharp tools and equipment. b. Cleaned tools after use. c. Observance of health and sanitation. d. Cleanliness and orderliness of the working area all the time.	Observe one (1) of the following: a. Careful use of sharp tools and equipment. b. Cleaned tools after use. c. Observance of health and sanitation. d. Cleanliness and orderliness of the working area all the time.
C. Marketability (20%)				
1. Quality, Durability and functionality (10%)	All the parts or sides of the design was accurately done.	One (1) or two (2) parts or sides of the design were not accurately done.	Three (3) parts or sides of the design were not accurately done.	All parts or sides of the design were not accurately done.
2. Affordability (5%)	Very much affordable.	Much affordable.	Affordable.	Not affordable.
3. Visual appeal (5%)	Well fastened, weaved and attractive.	Fastened or weaved and attractive.	Less fastened or weaved and attractive.	Not fastened or weaved and attractive.
D. Time management (10%)				
	Was able to finish the output 10 minutes before the allotted time.	Was able to finish the output within the allotted time.	Was able to finish the output 10 minutes after the allotted time.	Was able to finish the output at more than 10 minutes before the allotted time.
E. Communication Skills (10%)				
(3 - 5 minutes only)	Able to discuss/explain with confidence all of the following: a. Process b. Function of tools, materials and equipment c. Cost of production d. Employability e. Business opportunity	Able to discuss/explain with confidence 4 of the following: a. Process b. Function of tools, materials and equipment c. Cost of production d. Employability e. Business opportunity	Able to discuss/explain with confidence 3 of the following: a. Process b. Function of tools, materials and equipment c. Cost of production d. Employability e. Business opportunity	Able to discuss/explain with confidence 2 of the following: a. Process b. Function of tools, materials and equipment c. Cost of production d. Employability e. Business opportunity



Republic of the Philippines
DEPARTMENT OF EDUCATION
 Cordillera Administrative Region
SCHOOLS DIVISION OF BENGUET
 Wangal, La Trinidad, Benguet 2601



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 Supply Office: (074) 424-2863; Lobby/Officer of the Day: (074) 422-2001

2017 DIVISION TECHNOLYMPICS

Contest Area	HOME ECONOMICS		
Grade Level	Grade 9 to 12		
Event Package	HANDICRAFTS (Plastic)		
No. of Participants	One (1)		
Time Allotment	Three (3) Hours		
Description	A functional recycled material made out of plastic such as plastic bottles, candy wrappers, plastic bags and other types of recyclable plastic.		
Criteria for Assessment	Criteria	Percentage	
	A. Creativity and Innovation <ul style="list-style-type: none"> • Originality of design • Combination of materials • Additional use 	20% 5% 5%	30%
	B. Process <ul style="list-style-type: none"> • Use of appropriate tools, materials and equipment • Method & Workmanship • Safety work habits and housekeeping 	10% 10% 10%	30%
	C. Marketability <ul style="list-style-type: none"> • Quality & Durability • Functionality • Affordability • Visual Appeal 	5% 5% 5% 5%	20%
	D. Time Management <ul style="list-style-type: none"> • Wise use of time/speed 		10%
	E. Communication Skills <ul style="list-style-type: none"> • Fluency in oral communication • Flow of thoughts and ideas 	5% 5%	10%

I. Contest Rules and Mechanics

- a. The Contest Administrator, members of the Technical Evaluation Committee and Board of Judges should be in the venue sixty (60) minutes ahead of the contest schedule.
- b. Contest materials, supplies, tools, equipment and other needed things shall be provided by the contestant/s.
- c. All participants must be in the contest venue thirty (30) minutes before the contest starts. Late participants without valid reason shall be disqualified.
- d. The participants will draw lots to determine their respective places and set up their tools and materials on their assigned places. Setting up of extension cords, equipment and tools should be done this time.
- e. Each student shall wear appropriate PPE according to the standard requirements.
- f. Final briefing of participants shall be done fifteen (15) minutes before the contest proper.
- g. The Contest Administrator will give signal to start the contest proper. Once the event has been started, the teacher-coaches and other delegates are strictly prohibited within the contest area except if the teacher-coaches will be judges (compatriot judging).
- h. No questions shall be entertained during the contest proper except clarifications and points of order. All clarifications and points of order will be directed to the Contest Administrator.
- i. Borrowing of materials, supplies, tools and equipment during the contest is not allowed.
- j. Should there be irregularities found during the contest, the Contest Administrator, in consultation with the Board of Judges, may suspend the conduct of the skills exhibition, if justified and refer the matter to the attention of the Technical Evaluation Committee, for appropriate action.
- k. The working area should be cleaned immediately after the contest.
- l. Each participant will go through a panel interview and deliberation with the Board of Judges after the three hour time allotment.

II. Inputs (Resource Requirement)

	Participant	Host School
a. Supplies and materials	Plastic materials Adhesive/sticking materials such as but not limited to glue, glue sticks etc.	
b. Tools and equipment	E.g. glue gun	Working Tables
c. Others		Display area of finished crafts

Prepared by:


FROILAN SHYR P. AROCO
 BeNHS-Main



2017 NATIONAL TECHNOLYMPICS



(A showcase of Marketable Products and Performances)

COMPONENT AREA	AGRI – FISHERY ARTS	
YEAR LEVEL	ANY YEAR LEVEL	
EVENT PACKAGE	LANDSCAPING	
NO. OF PARTICIPANTS	TWO (2)	
TIME ALLOTMENT	THREE (3) HOURS	
DESCRIPTION/USE	Application of the most appropriate landscaping techniques	
CRITERIA FOR ASSESSMENT	Criteria	Percentage
	Originality of design	30
	Combination and use of materials	
	Use of other ingredient	
	Use of tools and equipment	30
	Methods & Safety work habits	
	Optimal use of resources	20
	Visual Impact	
	Wise use of time	10
	Fluency of Communication	10
Writing style		
Total:	100 %	

I. Skills Exhibition Proper

- a. The Event Administrators and their secretaries, technical committee and judges, should be in the venue sixty (60) minutes ahead of the event schedule.
- b. Event materials, supplies, tools, equipment and other things needed for the venue will be made ready by the Event Administrator sixty (60) minutes before the event schedule.
- c. All participants should be at the designated venue thirty (30) minutes before the event starts. Late participants without valid reasons shall be disqualified.
- d. The participants will draw lots to determine their respective places and set up their food and materials on their assigned places. Setting up of their extension cords, equipment, and tools should be done during this time.
- e. Briefing of participants will be done fifteen (15) minutes before the scheduled event.
- f. The Event Secretary will give the signal for the event to begin. Once the event has been started, the coaches, teachers, delegates are no longer allowed to talk to the participants to give them full concentration in their work.
- g. Only the Event Administrator, Secretary, technical, judges, official photographer and participants are allowed in the venue.
- h. No questions shall be entertained during the contest proper except clarifications and points of order. All clarifications and points of order will be directed to the Event Administrator.
- i. Should there be any irregularities found during the event, the Event Administrator, in consultation with the Board of Judges, may suspend the conduct of the specific skill exhibition if justified and refer the matter to the attention of the Technical and evaluation Committee for appropriate action.
- j. Borrowing of materials, tools, supplies during the event is not allowed.
- k. The working area should be cleaned immediately after every event.
- l. The participants will be provided 2 x 3-meter area for landscaping.
- m. The finished landscape shall be ready for photography, sketching after all the members of the board of judges shall have finished their individual judging.
- n. A blue print or a sketch or plan must be submitted by the participants.
- o. The landscape shall remain untouched until the closing ceremony.

II. Reminders

Event Supplies, Tools and Equipment	Contestants	Host School	Organizer
A. Materials / Supplies	<ul style="list-style-type: none"> • Pebbles • Rocks • Plants • Statues 	<ul style="list-style-type: none"> • Fertilizers • Figurines • Driftwood • Cement 	<ul style="list-style-type: none"> • Working Area • Water
B. Tools / Equipment	<ul style="list-style-type: none"> • Trowel • Shovel 	<ul style="list-style-type: none"> • Pliers • Sprinklers 	<ul style="list-style-type: none"> • Working Table

- Note: a. All outputs shall be endorsed to the Secretariat by the Event Administrator
b. All endorsed outputs shall be displayed until the duration of the event

2017 NATIONAL TECHNOLYMPICS

(A Showcase of Marketable Products and Performances)

Component Area	INFORMATION AND COMMUNICATION TECHNOLOGY	
Grade Level	Junior High School and Senior High School	
Event Package	Webpage Designing	
No. of Participants	One (1)	
Time Allotment	Four (4) Hours	
Description	Designing websites in order to publish information, advertise and sell products. A good website lets you navigate easily, offers access to the breadth and depth of the site's content	
Criteria For Assessment	Criteria	Percentage
	Originality and creativity of design/ideas Graphics/Presentation/Harmony and balance Visual appeal Combination of elements Additional value	30%
	Informative/Relevant Functionality of components	30%
	Use of tools/materials and equipment Safety work habits and housekeeping Affordability	20%
	Wise use of time/speed	10%
	Fluency of oral communication Flow of thoughts	10%
	Total	100%

I. Event Rules and Mechanics

- a. The Event Administrator and his/her secretary, members of the Technical and Evaluation Committee and Board of judges, should be in the venue sixty (60) minutes ahead of the event schedule.
- b. The Technical and Evaluation Committee shall inspect the inputs
- c. Event materials, supplies, tools, equipment and other things needed in the venue will be made ready by the Event Administrator sixty (60) minutes before the event schedule.
- d. All participants should be at the designated venue thirty (30) minutes before the event starts. Late participants without valid reasons shall be disqualified.
- e. The participants will draw lots to determine their respective places and set up their food and materials on their assigned places. Setting up of their extension cords, equipment, and tools should be done during this time.
- f. Briefing of participants will be done fifteen (15) minutes before the scheduled event.
- g. The Event Secretary will give the signal for the event to begin. Once the event has been started, the coaches, teachers, and other delegates are no longer allowed to talk to the participants to give them full concentration in their task.
- h. Only the Event Administrator, Secretary, judges, technical committee members, judges, official photographer and participants are allowed in the venue.
- i. No questions shall be entertained during the contest proper except clarifications and points of order. All clarifications and points of order will be directed to the Event Administrator.
- j. Borrowing of materials, supplies, tools, and equipment during the event is not allowed.
- k. Should there be any irregularities found during the event, the Event Administrator, in consultation with the Board of Judges, may suspend the conduct of the specific skills exhibition, if justified and refer the matter to the attention of the Technical and Evaluation Committee, for appropriate action.
- l. Each participant will go through a panel interview and deliberation with the Board of Judges after the four (4) hour time allotment.

II. Inputs (Resource Requirements)

	Participants	Host School	Organizers
a. Supplies and Materials			folders, copy paper pens, flash drive
b. Tools and Equipment	Laptop Extension cord	Desktop computers (backup), electrical outlets, working tables, chairs	
c. Others		MS SharePoint/Note Pad++ (software) Graphics/images	Utility expenses

Note:

- a. All outputs (soft copies) shall be collected by the Event Secretary and endorsed to the Organizer. File copies shall also be furnished to the Documentation Committee.
- b. All outputs shall be displayed until the duration of the event.

2017 NATIONAL TECHNOLYMPICS

(A Showcase of Marketable Products and Performances)

Component Area	INFORMATION AND COMMUNICATION TECHNOLOGY		
Grade Level	Junior High School and Senior-High School		
Event Package	Computer Systems Servicing		
No. of Participants	One (1)		
Time Allotment	Four (4) Hours		
Description	The participants will ensure functionality and connectivity of the computer system through file and printer sharing and internet connectivity through demonstration of the core skills on installing and configuring computer systems and setting-up computer network and server		
Criteria For Assessment	Criteria		Percentage
	Workmanship/Functionality		30%
	Methods/Procedures Use of tools, materials and equipment		30%
	Safety work habits and housekeeping Affordability		20%
	Wise use of time/speed		10%
	Fluency of oral communication Flow of thoughts		10%
	Total		100%
I. Event Rules and Mechanics			
<p>a. The Event Administrator and his/her secretary, members of the Technical and Evaluation Committee and Board of judges, should be in the venue sixty (60) minutes ahead of the event schedule.</p> <p>b. The Technical and Evaluation Committee shall inspect the inputs</p> <p>c. Event materials, supplies, tools, equipment and other things needed in the venue will be made ready by the Event Administrator sixty (60) minutes before the event schedule.</p> <p>d. All participants should be at the designated venue thirty (30) minutes before the event starts. Late participants without valid reasons shall be disqualified.</p> <p>e. The participants will draw lots to determine their respective places and set up their food and materials on their assigned places. Setting up of their extension cords, equipment, and tools should be done during this time.</p> <p>f. Briefing of participants will be done fifteen (15) minutes before the scheduled event.</p> <p>g. The Event Secretary will give the signal for the event to begin. Once the event has been started, the coaches, teachers, and other delegates are no longer allowed to talk to the participants to give them full concentration in their task.</p> <p>h. Only the Event Administrator, Secretary, judges, technical committee members, judges, official photographer and participants are allowed in the venue.</p> <p>i. No questions shall be entertained during the contest proper except clarifications and points of order. All clarifications and points of order will be directed to the Event Administrator.</p> <p>j. Borrowing of materials, supplies, tools, and equipment during the event is not allowed.</p> <p>k. Should there be any irregularities found during the event, the Event Administrator, in consultation with the Board of Judges, may suspend the conduct of the specific skills exhibition, if justified and refer the matter to the attention of the Technical and Evaluation Committee, for appropriate action.</p> <p>l. Each participant will go through a panel interview and deliberation with the Board of Judges after the four (4) hour time allotment.</p>			
II. Inputs (Resource Requirements)			
	Participants	Host School	Organizers
a. Supplies and Materials	RJ45	cable for networking	folders, copy paper pens, flash drive
b. Tools and Equipment	2 sets crimping tools 2 sets screw drivers 1 set LAN tester extension cord PPE	Desktops Printer Switch hub box (24 ports) Electrical outlets Working tables chairs	
c. Others			Utility expenses

Note:

- a. All outputs shall be displayed until the duration of the event.
- b. Bring your own system unit, printer, & switch hub



2016 NATIONAL TECHNOOLYMPICS



(A Showcase of Skills and Performances)

COMPONENT AREA	Industrial Arts	
YEAR LEVEL	Grade 10	
EVENT PACKAGE	Electrical Installation and Maintenance NCII	
NO. OF PARTICIPANT(S)	Two (2)	
TIME ALLOTMENT	Four (4) Hours	
DESCRIPTION/USE	Electrical Installation and Maintenance skills which will involve reading and installing wiring diagrams based on a given schematic diagram. Knowledge of schematic diagrams and installation skills may be handy in establishing a business or landing a job.	
CRITERIA FOR ASSESSMENT	Criteria	Points
	➤ Accuracy of interpretation of schematic diagram	15
	➤ Accuracy of installed wiring	15
	➤ Use of tools, materials & equipment	15
	➤ Safety work habits & housekeeping	15
	➤ Wise use of time	20
	➤ Fluency of oral communication	10
	➤ Flow of thoughts	10
	Total:	100 pts
<p>I. Skills Exhibition Proper</p> <ol style="list-style-type: none"> a. The Event Administrators and their secretaries, technical committee and judges, should be in the venue sixty (60) minutes ahead of the event schedule. b. Event materials, supplies, tools, equipment and other things needed for the venue will be made ready by the Event Administrator sixty (60) minutes before the event schedule. c. All participants should be at the designated venue thirty (30) minutes before the event starts. Late participants without valid reasons shall be disqualified. d. The participants will draw lots to determine their respective places and set up their food and materials on their assigned places. Setting up of their extension chords, equipment, and tools should be done during this time. e. Briefing of participants will be done fifteen (15) minutes before the scheduled event. f. The Event Secretary will give the signal for the event to begin. Once the event has been started, the coaches, teachers, delegates are no longer allowed to talk to the participants to give them full concentration in their work. g. Only the Event Administrator, Secretary, technical, judges, official photographer and participants are allowed in the venue. h. No questions shall be entertained during the contest proper except clarifications and points of order. All clarifications and points of order will be directed to the Event 		

DIVISION TECHNOLYMPICS (2017)

CONTEST PACKAGE

VENUE: Tublay School of Home Industries

Contest Area: Industrial Arts(Tile Setting)

Grade level: G9 to G12

No. of Participants: 1

Time Allotment: 2^{1/2} hours

Product Outcome: Double Burner Stand

MATERIALS

1. 20 PCS.- 20 CM. X 20 CM. TILES (ANY BRAND/COLOR)
2. 2 KGS.- TILE ADHESIVE (COLOR SHOULD MATCH WITH THE COLOR OF THE TILES)
3. HALF SACK SCREENED/FINE SAND
4. 25 KGS. CEMENT (ANY BRAND)
5. 20 KGS. TILE ADHESIVE
6. 20 PCS.- 2" COMMON NAIL (TO BE USED AS SPACER)
7. PIECE OF PLYWOOD/FLAT THIN WOOD (TO BE USED AS FORM)
8. 1 PC.- 1^{1/2}" X 1^{1/2}" X 1/4" THICK ANGLE BAR
9. 1 PC. #10 MM. REINFORCEMENT BAR
10. WATER

TOOLS/EQUIPMENT

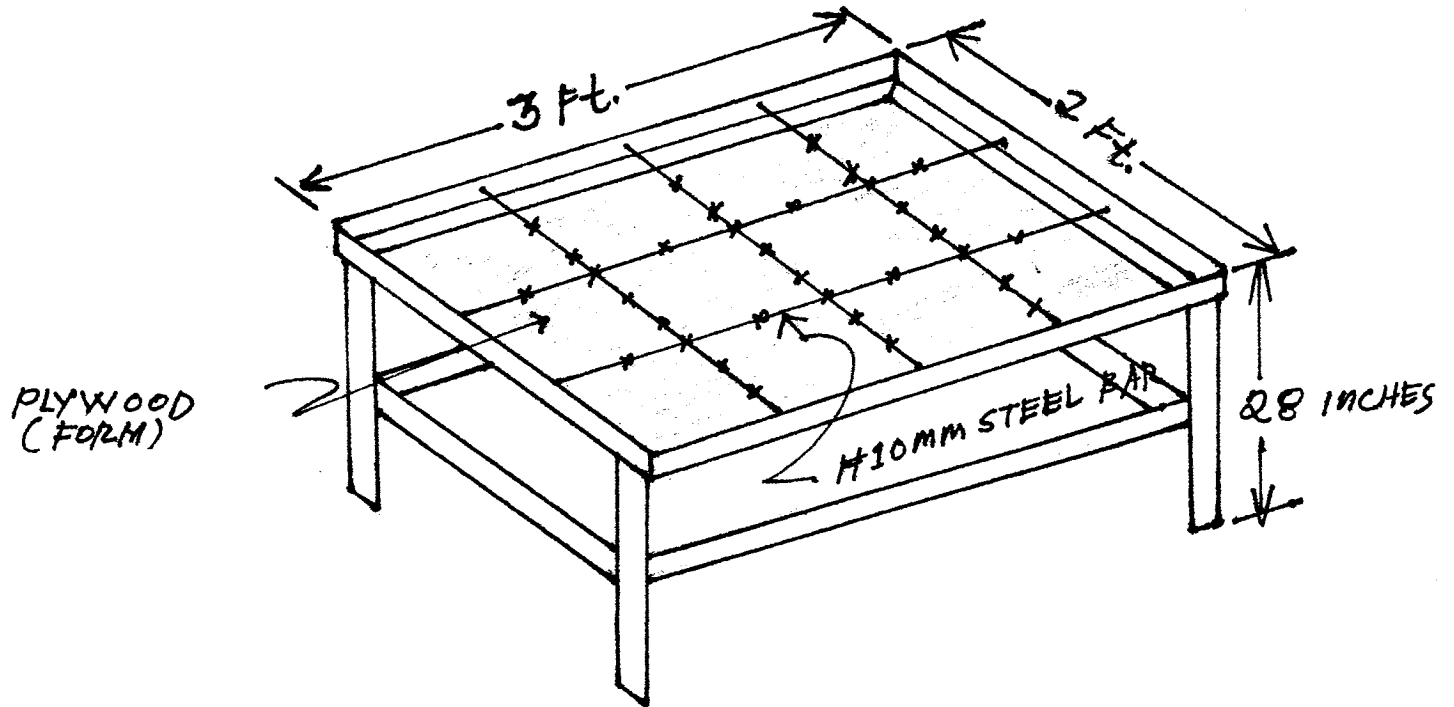
1. SHOVEL
2. POINTING/BUTTERING THROWEL
3. COMMON WOOD FLOAT/PVC FLOAT
4. LEVEL BAR
5. TRY SQUARE
6. PENCIL
7. RUBBERIZED MALLET/ANY IMPROVIZED HAMMER TO BE USED IN SETTING THE TILES
8. PULL PUSH RULE
9. TILE CUTTER (MANUAL)/ELECTRIC GRINDER WITH DIAMOND CUTTING WHEEL

PERSONAL PROTECTIVE EQUIPMENT(PPE)

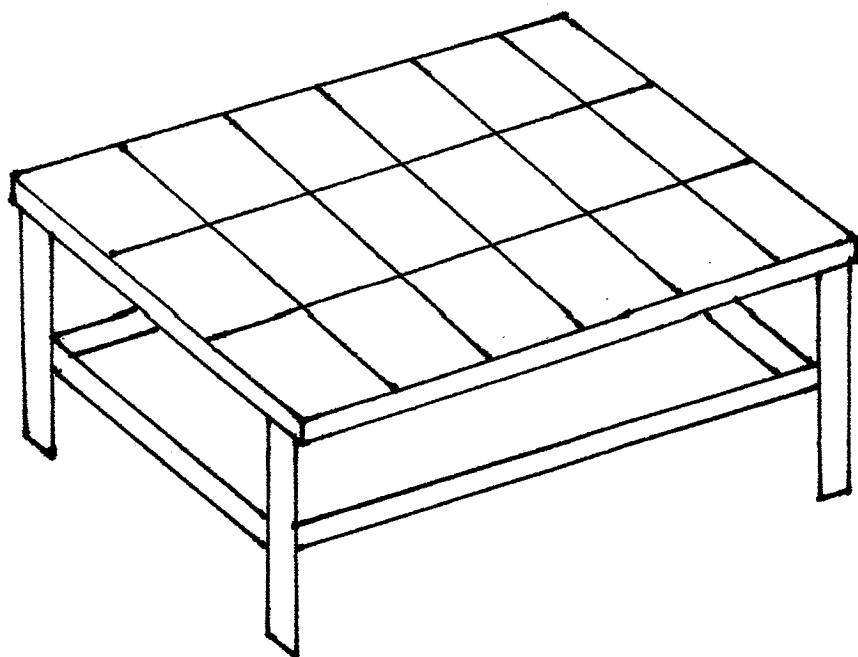
1. SAFETY GOGGLES
2. SKULL GUARD
3. LONG SLEEVE SUIT
4. SAFETY SHOES

WORKING PLAN

BEFORE CONCRETE IS POURED



AFTER CONCRETE WAS POURED AND TILES WERE ALREADY LAID OUT



CRITERIA

	%	ANALYTIC SCORING RUBRICS
WORKMANSHIP	60	STRAIGHT EDGES 15%
		UNIFORMED SLOTS 15%
		LEVELED TOP/NO CRACKED TILES 15%
		NICED PLACEMENT OF GROUT 15%
PROPER USE OF MATERIALS, TOOLS AND EQUIPMENT	15	
SAFETY PRACTICES AND WORK HABITS	10	
SPEED/TIME 10%	10	
COMMUNICATION SKILLS 5%	5	
TOTAL	100	

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