

Department of Education

REGION III SCHOOLS DIVISION OF ANGELES CITY



28 Feb 2024

DIVISION MEMORANDUM No. 097 s. 2024

ONLINE MEETING FOR THE 2024 DIVISION TECHNOLYMPICS

To: Assistant Schools Division Superintendent
Chief Education Supervisors
Education Program Supervisors
Public Schools District Supervisors
Public School Heads, Elementary and Secondary Schools
All Other Concerned

- 1. Please be informed that there will be an online meeting in preparation for 2024 Division Technolympics on March 1, 2024 at 3:00 p.m. to 5:00 p.m. using the link meet.google.com/uie-tifa-qhh.
- 2. The participants are the TLE department heads, coordinators, and coaches.
- 3. Enclosed is the Technolympics contest package.
- 4. Immediate dissemination of this Memorandum is earnestly desired.

Engr. EDGARD C. DOMINGO PhD, CESO V Schools Division Superintendent

Encl.: As stated

Reference: NFOT Guidelines

To be indicated in the Perpetual Index under the following subjects:

LEARNING AREA, TECHNOLOGY AND LIVELIHOOD EDUCATION TECHNOLYMPICS

JGF/TLE/February 28, 2024







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Implementing Guidelines on Technolympics

The categories, components, number of learner-participants and teacher-coaches, and time allotment for Technolympics per region are the following:

Category	Components	No. of Learner- Participant	No. of Teacher- Coach	Time Allotment (excluding interview)
Elementary				
Food Preservation	HE	2	1	4 hours
Recycled Waste Materials (Plastic)	IA	1	1	4 hours
Secondary				
Dressmaking (Corporate Attire)	HE	2	1	4 hours
Food Processing (Meat, Fish & Vegetable)	AFA	3	1	4 hours
Electrical Installation and Maintenance (EIM)	IA	2	1	4 hours
Technical Drafting	ICT	1	1	4 hours
Total		11	6	







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TECHNOLYMPICS

(A Showcase of Marketable Products and Performances)

COMPONENT AREA	HOME ECONOMICS			
KEY STAGE	Key Stage Three (3): Grades 9 and 10; and Key Stage Four (4): Grades 11 and 12			
EVENT TITLE	Dressmaking			
NO. OF	Two (2) participants from either of the key stages or			
PARTICIPANT/S	grade level from one key stage or grade			
	region			
TIME				
ALLOTMENT	4 hours excluding interview and pre-	liminary activities		
PERFORMANCE	The learners recognize their person	al entrepreneurial		
STANDARD	competencies (PECs), prepare an	_		
	design, measure, and sew ladies' blo			
21ST CENTURY	It is essential for learners to			
SKILL/S	innovation skills and abilities w	where they think		
	critically, reflectively, and creatively,	analyze, and solve		
	problems, create and implement in			
	variety of techniques or methods, and generate			
	functional knowledge that supports varying degrees of			
	thinking skills and metacognition			
CREATIVE				
INDUSTRIES	Design			
DOMAIN				
DESCRIPTION	Dressmaking is an NFOT event category of			
	Technolympics that allows learned	er-participants to		
	apply the principles of dressmaking/construction of			
	lady's blouse and trouser.			
CRITERIA FOR	Criteria	Percentage		
PRESENTATION	Creativity	20%		
	Process	25%		
	Accuracy 25%			
	Use of tools, materials, and 10%			
	equipment			
	Neatness 10%			
	Speed	5%		
	Ability to Present the Process	5%		
	Total	100%		







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EVENT RULES AND MECHANICS

- A. All officially enrolled learners in the Junior High School (JHS) Technical-Vocational Education (TVE), Technology and Livelihood Education (TLE), Senior High School (SHS) Technical-Vocational-Livelihood (TVL) are eligible to join.
- B. The Event Administrator, members of the Technical Committee and Panel of Experts should be at the venue two (2) hours ahead of the event schedule.
- C. Event materials, supplies, tools, and equipment needed for the contest shall be made ready at the venue by the Event Administrator two (2) hours before the event schedule.
- D. Setting up of all materials, tools, equipment, and other supplies shall be made ready before the start of the event.
- E. Borrowing of materials, supplies, tools, and equipment during the event is not allowed.
- F. Only one (1) person shall serve as a model for all participants.
- G. The Event Administrator shall let participants to draw lots to determine their respective area in the event venue. Each participant shall wear PPE according to the standard requirements.
- H. All participants should report to the venue one (1) hour prior to the event proper to perform the following preliminaries:
 - · check the functionality of the sewing machines;
 - ensure the completeness of the materials/supplies and tools needed;
 and
 - · take body measurements of the model.
- I. Final briefing of participants shall be done fifteen (15) minutes before the scheduled event.
- J. No questions shall be entertained during the activity except clarifications and points of order. These shall be addressed by the Event Administrator in consultation with the panel of experts to be recorded by the Event Secretary.
- K. The Event Administrator shall signal to start the activity proper. Once the event has started, the teacher-coaches and other delegates are strictly prohibited at the contest venue.
- L. Only the Event Administrator, Panel of Experts, technical committee members, official photographer, and participants are allowed at the venue to maintain a distraction-free environment.
- M. Each group of participants shall go through an interview process after the four (4) hour time allotment.
- N. The working area should be cleaned by participants after the event.

RESOURCE REQUIREMENT







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Event Supplies, Tools, and Equipment	Participants	Host School/Venu e	Host Region
A. Materials /Supplies		- Sleeve board - Button holler attachmen ts - Left zipper foot - Square ruler - Flat iron	 Sewing Kit Threads Fabric (Linen & cotton) Color (khaki and white) Size: 2 meters (trousers) 2 meters (blouse) 60 inches Pins Magic zipper Calculator Pattern paper Pencils Buttons Padding Utility expenses
B. Tools / Equipment			 (2) Electric Single needle lockstitch sewing machines Chair Cutting/working table Hanger rack Extension cord Electric outlet
C. Others	- PPE		ModelUtility expensesMachineTechnician

COMPONENT AREA	AGRI-FISHERY ARTS	
KEY STAGE	Key Stage Three (3): Grades 9 and 10; Key Stage Four	
	(4): Grades 11 and 12	
EVENT TITLE	Food Processing (Meat, Fish, and Vegetable)	
NO. OF	3 learner-participants from either of the key stages or	
PARTICIPANT/S	grade level or from one key stage or grade level alone	
	per region	
TIME	4 hours excluding the interview	









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ALLOTMENT			
PERFORMANCE STANDARD	The learners independently develop the skills in food processing and demonstrate the core competencies in food processing prescribed in the K to 12 Basic		
	Education Curriculum as of May 2	he K to 12 Basic 016.	
21 ST CENTURY SKILL/S	Communication in the workplace, use of appropriate technology, learning and innovative skills and abilities where learners think critically, reflectively, and creatively, and analyze and solve problems		
CREATIVE INDUSTRIES DOMAIN	Traditional Cultural Expressions		
DESCRIPTION	Food Processing (Meat, Fish, and NFOT event category of Technoly learner-participants to apply the preservation. This includes prepare of various types of meats, fruit (Chicken Longanisa), Fish (Bangus Vegetables (Pickling-Sayote, Papayota, Carrots)	ympics that allows principles of food ation and processing is, and vegetables: —Spanish Sardines),	
CRITERIA FOR	Criteria	Percentage	
PRESENTATION	Palatability	15%	
	Process used in preservation	25%	
	Product Presentation and Packaging	10%	
	Use of tools and equipment	15%	
	Sanitation Procedures, Methods & Safety work habits	15%	
92	Speed	10%	
	Ability to Present the Process	10%	
	Total	100 %	

EVENT RULES AND MECHANICS

- A. All learners in the Junior High School (JHS) Technical-Vocational Education (TVE) and Senior High School (SHS) Technical-Vocational-Livelihood (TVL) who are enrolled in the school offering specialization in food processing are eligible to join.
- B. The Event Administrator, members of the Technical Committee and Panel of Experts should be at the o two (2) hours ahead of the event schedule.
- C. Event materials, tools, equipment and other supplies needed for the contest shall be made ready at the venue by the Event Administrator two (2) hours before the event schedule.







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- D. Setting up of all the materials, tools, equipment, and other supplies should be made ready before the start of the event.
- E. Borrowing of materials, supplies, tools, and equipment during the event is not allowed.
- F. The Event Administrator shall let participants to draw lots to determine their respective places and set up their tools and materials at their assigned places. Setting up of their extension cords, equipment, and tools should be done during this time.
- G. Briefing of participants shall be done thirty (30) minutes before the scheduled event.
- H. The Event Administrator shall signal for the event to begin. Once the event has started, the teacher-coaches, parents, and delegates are no longer allowed to talk to the participants to concentrate in the event.
- I. Only the Event Administrator, technical committee members, panel of experts, official photographer, and participants are allowed at the venue.
- J. No questions shall be entertained during the event proper, except clarifications and points of order. All clarifications and points of order shall be directed to the Event Administrator.
- K. Panel of experts shall periodically observe participants while the event is ongoing.
- L. The products shall be displayed on the table prepared by the host region for appreciation and tasting of the panel of experts. Other table set up/accessories are strictly not allowed.
- M. Each participant shall go through a panel interview with the Panel of Experts with a maximum of five (5) minutes per entry.
- N. Interview shall be done one at a time using uniform questions.
- O. With the presentation of output
 - For Meat (Chicken): Present 1 pack at 250g and remaining cooked sample for evaluation.
 - For Sardines and Pickles: Prepare 1 bottle for tasting and 1 bottle for display.

(A plate for tasting shall be provided at the display area intended for each entry).

P. The working area should be cleaned by participants immediately after the event.

Event Supplies, Tools and Equipment	Participan t	Host School / Venue	Host Region / Division
A. Materials /Supplies	-	Cooking utensils12 oz. Jar, with wide	- 2 pcs bangus (approx. 2 pcs per half kg.) per participant (1 for







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		opening (4 bottles) - rubberized cap/lid - polyethylene	presentation, 1 for tasting) - 1 kg whole dressed chicken - Ingredients (vegetable, fruits & others) binder ingredients (ex. egg and cornstarch)
B. Tools / Equipment		WorkingTablesCooking AreaStoveWater outlets	KnifeChopping BoardPressure CookerGas stoveLPG
C. Others	- PPE		- Utility expenses

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.

COMPONENT AREA	INDUSTRIAL ARTS
KEY STAGE	Key Stage Three (3): Grades 9 and 10; Key Stage Four (4): Grades 11 and 12
EVENT TITLE	Electrical Installation and Maintenance (EIM)
NO. OF PARTICIPANT/S	2 learner-participants from either of the key stages or grade levels or from one key stage or grade level alone per region
TIME ALLOTMENT	4 hours excluding interview
PERFORMANCE STANDARD	The learners perform electrical installation and maintenance which involve reading and installing schematic wiring diagrams based on Philippine Electrical Code (PEC) and National Electrical Code (NEC).
21 ST CENTURY SKILL/S	It is essential for learners to manifest learning and innovation skills and abilities where they think critically, reflectively, and creatively, analyze and solve problems, create and implement innovations using a variety of techniques or methods, and generate functional knowledge that supports varying degrees of thinking skills and metacognition.
CREATIVE	Design







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INDUSTRIES DOMAIN			
DESCRIPTION	Electrical Installation and Maintenance (EIM) is an NFOT event category of Technolympics that allows learner-participants to read and install 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	Criteria	Percentage	
ASSESSMENT	Accuracy of interpretation of schematic diagram	25%	
	Accuracy of installation	30%	
	Use of tools	15%	
	Safety	15%	
	Speed	10%	
	Ability to Explain Process	5%	
	Total:	100%	

EVENT RULES AND MECHANICS

- A. All learners in the Junior High School (JHS) Technical-Vocational Education (TVE) and Senior High School (SHS) Technical-Vocational-Livelihood (TVL) who are enrolled in the school offering specialization in EIM are eligible to join.
- B. The Event Administrator, members of the Technical Committee and Panel of Experts should be at the venue two (2) hours ahead of the event schedule.
- C. Event materials, tools, equipment and other supplies needed for the contest—shall be made ready at the venue by the Event Administrator two (2) hours before the event schedule.
- D. Setting up of all the tools, materials equipment and other supplies should be made ready before the start of the event.
- E. Borrowing of materials, supplies, tools, and equipment during the event is not allowed.
- F. The Event Administrator shall let participants to draw lots to determine their respective places and set up their tools and materials at their assigned places. Setting up of their extension cords, tools, and equipment should be done during this time.
- G. Briefing of participants shall be done thirty (30) minutes before the scheduled event.
- H. The Event Administrator shall signal for the event to begin. Once the event has started, the teacher-coaches, parents, and delegates shall no longer be allowed to talk to participants to concentrate in the event.







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- Only the Event Administrator, technical committee members, panel of experts, official photographer, and participants are allowed at the venue.
- J. No questions shall be entertained during the event proper, except clarifications and points of order. All clarifications and points of order shall be directed to the Event Administrator.
- K. Panel of experts shall periodically observe the participants while the events is going on.
- he products shall be displayed on the table prepared by the host region for appreciation and tasting by the panel of experts. Other table set up /accessories are strictly not allowed.
- A. Each participant shall go through a panel interview with the Panel of Experts with a maximum of five minutes per entry.
- B. Interview shall be done one at a time.
- C. All provided event materials shall be used by participants for their outputs. Alteration of the event materials by the participants is not allowed.
- D. The schematic diagram will be provided on the day of the event.

RESOURCE REQUIREMENT

Event Supplies, Tools and Equipment	Participant	Host School / Venue	Host Region / Division
A. Material/ Supplies	=	 Electrical tape and the likes No. 14 stranded wire No. 12 stranded wire Lighting fixture SPST switch Junction box And other materials 	- Floor Plan (single storey residential house)
B. Tools/ Equipment		- All tools/equipme nt needed for the wiring installation - Working board 4' X 8'	
C. Others	- PPE	- Utility expenses	

Note: The schematic diagram shall be provided by the Technical Committee.







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COMPONENT	INFORMATION AND CO	OMMUNICATION		
AREA	TECHNOLOGY (ICT)			
KEY STAGE	Key Stage Three (3): Grades 9 and 10; Key Stage Four			
EVENT	(4): Grades 11 and 12	Aided Design of a		
PACKAGE	Technical Drafting: Prepare Computer House	-Aided Design of a		
PACKAGE	- Floor Plan (scale 1:100m)			
	- Elevations (front, left, right, and red	ır elevation)		
	- Perspective			
	Floor area – 60 sq. m.			
	Land area – 100 sq. m.			
WO 05	Note: Use scale 1:100 meters			
NO. OF PARTICIPANT/S	1 learner-participant from either of t grade levels or from one key stage or per region			
TIME ALLOTMENT	4 hours excluding interview			
PERFORMANCE STANDARD	The learners create a house plan following architectural standards.			
21ST CENTURY	Core skills supported using ICT, technical, information			
SKILL/S	management, communication, collaboration, creativity, critical thinking, and problem-solving			
CREATIVE INDUSTRIES DOMAIN	Design			
DESCRIPTION	Technical Drafting is an NFOT event category of Technolympics that allows learner-participants to perform mensuration and calculations, interpret technical drawings and plans, and prepare computer-aided drawings with structural layout and details.			
CRITERIA FOR	Criteria Percentage			
ASSESSMENT	Aesthetic/Architectural/Originality and creativity of design/ideas 40%			
	Accuracy (measurements against drawing) 40%			
	Speed (on time -10, 5 min. late -5, 6 min above 1)	10%		
	Ability to Present the Process	10%		
	Total	100%		







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EVENT RULES AND MECHANICS

- A. All officially enrolled learners in the Junior High School (JHS) Technical-Vocational Education (TVE), Technology and Livelihood Education (TLE), Senior High School (SHS) Technical-Vocational-Livelihood (TVL) eligible to join.
- B. The Event Administrator, members of the Technical Committee, and Panel of Experts, should be at the venue two (2) hours ahead of the event schedule.
- C. The Technical Committee shall inspect the resource requirements for the event.
- D. Event materials, tools, equipment, and other supplies needed at the venue shall be made ready by the Event Administrator sixty (60) minutes before the event schedule.
- E. All participants shall be at the designated venue thirty (30) minutes before the event starts.
- F. The Event Administrator shall let participants to draw lots to determine their respective places. Setting up of extension cords, tools, and equipment shall be done during this time.
- G. Borrowing of materials, supplies, tools, and equipment is strictly prohibited.
- H. Briefing of participants shall be done fifteen (15) minutes before the scheduled event.
- I. The Event Administrator shall signal for the event to start. Once the event has started, teacher-coaches, parents, and other delegates shall no longer be allowed to talk to participants to concentrate in the event.
- J. Only the Event Administrator, Technical Committee members, Panel of Experts, Official Photographer, and participants are allowed to be at the venue.
- K. Questions/queries from the participants shall not be entertained during the exhibition proper.
- L. Participants shall go through a panel interview after the four (4) hour time
- M. The working area should be cleaned by the participants immediately after the event.

RESOURCE REQUIREMENT

Event Supplies, Tools and Equipment	Participant	Host School / Venue	Host Region / Division
A. Materials / Supplies			
B. Tools / Equipment		- Desktop computer - Printer (ratio 1:1)	
C. Others		- AutoCAD 2019 Version Note: Any version of CAD	- Printing cost







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is allowed but in uniform.

Note: All outputs (soft and hard copies) shall be collected by the Event Secretary and shall be endorsed to the Organizers.

COMPONENT			
AREA	HOME ECONOMICS		
KEY STAGE	Key Stage Two (2): Grade 6 only		
EVENT TITLE	Food Preservation		
NO. OF PARTICIPANT/S	2 learner-participants per region (Grade 6 only)		
TIME ALLOTMENT	4 hours excluding interview		
PERFORMANCE	The learners use and maintain appropriate tools and		
STANDARD	follows the Occupational Health and Standard (OHS) in		
	food preservation.		
21st CENTURY	Communication in the workplace, use of appropriate		
SKILL/S	technology, learning and innovative skills and abilities		
	where learners think critically, reflectively, and		
	creatively, and analyze and solve problems		
CREATIVE			
INDUSTRIES	Preservation		
DOMAIN			
DESCRIPTION	Food Preservation is an NFOT event category of		
	Technolympics that allows learner-participants to		
	apply the principles of fruit and vegetable preservation.		
	It includes preparation, designing, and presenting		
	fruits and vegetables.		
CRITERIA FOR	Criteria	Percentage	
PRESENTATION	Creativity	25%	
	Process	25%	
	Proper Use of Tools	15%	
	Speed	10%	
	Safety	10%	
	Ability to Present Idea	15%	
	Total	100%	

EVENT RULES AND MECHANICS

- A. All officially enrolled Grade 6 learners with LRN are eligible to join the contest.
- B. The Event Administrators, members of the Technical Committee and Panel of Experts should be at the contest venue two (2) hours ahead of the event schedule.







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- C. Event materials, tools, equipment, and other supplies needed at the venue shall be made ready by the Event Administrator two (2) hours before the event schedule.
- D. All participants should be at the event venue one hour (1) before the event starts.
- E. The Event Administrator shall let participants to draw lots to determine their respective places and set up their food and materials at their designated areas. Setting up of their extension cords, tools, and equipment should be done during this time.
- F. Each participant shall wear appropriate personal protective equipment (PPE) according to the standard requirements.
- G. Final briefing of participants shall be done fifteen (15) minutes before the scheduled event.
- H. The Event Administrator shall signal to start the contest proper. Once the event has started, the teacher-coaches and other delegates are strictly prohibited within the event area.
- O. Participants are not allowed to ask questions during the activity except clarifications and points of order. These shall be addressed by the Event Administrator, in consultation with the panel of experts to be recorded by the Event Secretary.
- I. Borrowing of materials, supplies, tools, and equipment during the event is not allowed.
- J. Each group of participants shall undergo interview process with the expert after the four (4) hour time allotment or once the team has finished the display of their output.
- K. During the event proper, the panel of experts shall observe the processes (and refrain from asking questions) but not ask questions to participants to avoid disruption.
- L. The working area should be cleaned immediately by the participants after the event.

RESOURCE REQUIREMENT Event Supplies, Host School / Host Region / Tools and **Participant** Venue Division Equipment A. Materials/ Papaya Supplies Mango (Carabao, unripe) Carrots Cucumber Turnips Onion Vinegar







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			- Salt
B. Tools / Equipment		- Chopping board - Knife	- Jars with lids, 16 oz pint (2 pcs)
C. Others	- PPE		Utility expensesWorking TableWater outlet/supply

COMPONENT AREA	INDUSTRIAL ARTS		
KEY STAGE	Key Stage Two (2): Grade 6		
EVENT TITLE	Recycling Waste Materials (Plastic)		
NO. OF	1 learner-participant from the identified grade level per		
PARTICIPANT/S	region		
TIME ALLOTMENT	3 hours excluding the interview		
PERFORMANCE STANDARD	Create a sellable product as using recyclable plastic materials.		
21 ST CENTURY SKILL/S	Creativity, Communication and Critical Thinking		
CREATIVE INDUSTRIES DOMAIN	Arts and Craft		
DESCRIPTION	Recycling Waste Materials is an NFOT event category of Technolympics that allows learner-participants to utilize plastic waste materials to make a sellable product.		
CRITERIA FOR	Criteria	Percentage	
ASSESSMENT	Creativity of the Product	25%	
	Process	25%	
	Use of Tools	15%	
	Safety	15%	
	Speed	10%	
	Ability to Present the Process	10%	
	Total	100%	

EVENT RULES AND MECHANICS

A. All officially enrolled Grade 6 learners with LRN are eligible to join the exhibition.







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- B. The Event Administrator, members of the Technical Committee and Board of judges shall be at the venue sixty (60) minutes ahead of the event schedule.
- C. The Technical Committee shall inspect the resource requirements for the exhibition.
- D. Event materials, supplies, tools, equipment, data, and photos needed at the venue shall be made ready by the Event Administrator sixty (60) minutes before the event schedule.
- E. All participants are expected to be at the designated venue thirty (30) minutes before the event starts. Late participants may or may not be allowed to join after careful evaluation and scrutiny of their reasons presented to the Technical Committee.
- F. The Event Administrator shall let participants to draw lots to determine their respective places. Setting up of their extension cords and tools which shall be done during this time.
- G. Borrowing of materials, supplies, tools, and equipment is strictly prohibited.
- H. Briefing of participants shall be done fifteen (15) minutes before the scheduled event.
- I. The Event Administrator shall signal for the event to start. Once the event has started, the teacher-coaches and other delegates shall no longer be allowed to talk to the participants to concentrate in the event.
- J. Only the Event Administrator, Technical Committee members, Judges, Official Photographer, and participants are allowed to be at the venue.

Questions/queries from participants shall not be entertained during the exhibition proper.

- K. Participants shall go through a panel interview and deliberation by the Board of Judges after the three (3) hour time allotment.
- L. Participants are advised to bring their own food as they are not allowed to go out of the venue during break time.
- M. The working area should be cleaned by participants immediately after the event.

RESOURCE REQUIREMENT Event Supplies, Host Region / **Host School** Tools and **Participant** / Venue Division Equipment Plastic waste materials D. Materials / such as plastic Supplies cups and bottles Glue Tables Cutter E. Tools / Chairs Scissor Equipment Extension Cord Glue Gun







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F. Others	Gas - PPE	Utility expensesOutlet/Supply
	- Blue torch Butane	

Note: All outputs (soft and hard copies) shall be collected by the Event Secretary and shall be endorsed to the Organizers.



