



DEPARTMENT OF EDUCATION SCHOOLS DIVISION OF NEGROS ORIENTAL REGION VII



Kagawasan Ave., Daro, Dumaguete City, Negros Oriental

TLE-IA-CARPENTRY

Quarter 2 – Module 2: PREPARE TOOLS, EQUIPMENT AND MATERIALS FOR FABRICATING FORMWORKS ACCORDING TO JOB





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TLE-IA-CARPENTRY

Quarter 2 – Module 2:
PREPARE TOOLS, EQUIPMENT
AND MATERIALS FOR
FABRICATING FORMWORKS
ACCORDING TO JOB
REQUIREMENTS





The module has one lesson:

Lesson 1 - Select Appropriate PPE

At the end of the module, you should be able to:

- 1. Identify Personal Protective Equipment used in carpentry job.
- 2. Select appropriate Personal Protective Equipment (PPE)
- 3. Practice safety process and PPE in carpentry.



Directions: Read each item carefully. Match column A with column B. Write the letter of the correct answer on your activity notebook.

Column A	Column B
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Earmuffs
 Hard hats
 Safety glasses
 Safety-toed footwear
 B. Foot Protection
 Eye and Face Protection
 Hand Protection
 Head Protection

Lesson

Select Appropriate PPE

In this module, you will learn to preparing tools, equipment, and materials for fabricating formworks according to job requirements. With this, it is necessary that you learn the different PPE needed in Carpentry. In addition, you are introduced to construction safety process.



What's In

This portion of the module is about some topics for you to review. As a TLE student, you are recommended to review your topics. Reviewing will help you a lot to gain better understanding on the concepts presented throughout your journey in learning Carpentry.



Notes to the Teacher

Teacher is recommended to design an activity to recognize prior learning of the students or you may have some motivational activities to incorporate at the start of this module.



Directions:

Identify the Types of Personal Protective Equipment (PPE). Copy and answer this in your activity notebook.

- 1. It protects against crushed toes due to heavy or falling equipment or materials. Hardhats must be worn where there is danger of falling objects.
- 2. Protect against head injuries related to swinging or falling objects, striking the head against something, or accidental head contact with an electrical hazard.
- 3. It's generally advisable to wear it at all times at a job site, but it's especially crucial along active roadways, in low lighting, and for dusk and nighttime work
- 4. These should fit closely and never be baggy, while allowing for maximum mobility.
- 5. It should be worn whenever there is a danger of flying debris or harmful dust getting in the eyes.



Basic Personal Protective Equipment (PPE) for Construction Workers

There are so many potential hazards at a construction site, and personal protective equipment (PPE) is one of the workers' primary lines of defense. Each item is designed to minimize exposure to certain risks of injury or illness, as well as the damage caused by those hazards in the event of a mishap.

Every individual construction site and job duty should be evaluated for specific and unique dangers, and appropriate personal protective equipment required. Some common classes of hazards at construction sites with risks that can be mitigated with appropriated PPE include electrical, fall, chemical, harmful dust, struck-by, penetration, caught-in and caught-between, rollover, and heat.

Below is a quick look at some basic personal protective equipment.

PPE for Construction Crews

- **Head protection** These are essential at most construction sites. They protect against head injuries related to swinging or falling objects, striking the head against something, or accidental head contact with an electrical hazard. Hard hats should be inspected for dents, cracks, and other damage prior to each use; damaged ones should never be worn.
- **Foot protection** This often refers to steel-toe boots. Work boots should be worn on site that protect against crushed toes due to heavy or falling equipment or materials. They also need puncture-resistant, nonslip soles, as work surfaces can have sharp objects on them, and slips are a major hazard at the job site.
- Hand protection Different types of work gloves are best suited to
 particular tasks and risks at construction sites. For example, there
 are heavy-duty leather and canvas gloves for protecting against cuts
 and burns, welding gloves for welders, heavy-duty rubber gloves for
 working with concrete, insulated gloves with sleeves for working with
 electric hazards, and chemical-resistant gloves for working with
 chemical agents.
- Work pants and work shirts Workers should protect their full legs, full arms, and torso against cuts, scrapes, burns, and other superficial injuries with thick, flexible work pants and shirts. These should fit closely and never be baggy, while allowing for maximum mobility.
- **Face and/or eye protection** Safety glasses or face shields should be worn whenever there is a danger of flying debris or harmful dust getting in the eyes. Cutting, grinding, welding, chipping, and nailing are some activities that necessitate protective eyewear. Along with basic safety glasses, some other protective wear for the face include welding shields, chemical splash goggles, and dust goggles.
- **Hearing protection** Chainsaws, jackhammers, and other tools and heavy equipment create noise levels that can damage workers' hearing—particularly with prolonged exposure. Pre-molded or formable ear plugs are usually the best bet, but acoustic foam-lined ear muffs that tightly seal against the head can work well too.
- **Reflective/high-visibility garments** Brightly colored and/or reflective jackets, vests, or other upper-body clothing is important for worker visibility. It's generally advisable to wear it at all times at a job site, but it's especially crucial along active roadways, in low lighting, and for dusk and nighttime work. In certain circumstances, it's mandated by OSHA.

Other Personal Protective Equipment

This certainly doesn't cover all types of PPE. Personal fall protection, for example, is an entire class of personal protective equipment. There are numerous varieties for all types of elevated construction work. Respiratory protection is another important class at sites where workers are exposed to airborne hazards. Again, every job site and every task must be individually assessed for potential dangers, and workers must be made to wear appropriate personal protective equipment for the situation.



What's More

Directions: Identify the PPE being defined.

- 1. Brightly colored and/or reflective jackets, vests, or other upper-body clothing is important for worker visibility.
- 2. It must be worn when cutting, grinding, welding, chipping, and nailing.
- 3. Protect against head injuries related to swinging or falling objects, striking the head against something, or accidental head contact with an electrical hazard.
- 4. It protects against hand cuts, burns and electric hazards.
- 5. Workers should protect their full legs, full arms, and torso against cuts, scrapes, burns, and other superficial injuries with thick, flexible work pants and shirts.
- 6. It should be worn on site that protect against crushed toes due to heavy or falling equipment or materials.
- 7. It must be worn when using chainsaws, jackhammers, and other tools and heavy equipment create noise levels that can damage workers' hearing



What I Have Learned

There are so many potential hazards at a construction site, and personal protective equipment (PPE) is one of the workers' primary lines of defense. Each item is designed to minimize exposure to certain risks of injury or illness, as well as the damage caused by those hazards in the event of a mishap.

Every individual construction site and job duty should be evaluated for specific and unique dangers, and appropriate personal protective equipment required. Some common classes of hazards at construction sites with risks that can be mitigated with appropriated PPE include electrical, fall, chemical, harmful dust, struck-by, penetration, caught-in and caught-between, rollover, and heat.



What I Can Do

Direction: Classify the following according to the type of PPE. Write your answers in your notebook.





Assessment

Instruction: Choose the correct answer from the given options. Write your answers in your notebook.

1.	What must be worn to lessen the noise in the workplace?		
	a. Hearing protection	c. head protection	
_	b. foot protection	d. hearing protection	
2.	It should be worn whenever there is a d		
	getting in the eyes. Cutting, grinding, w		
	activities that necessitate protective eye		
	a. Face and/or eye protection	c. Hand protection	
	b. Work pants and work shirts		
3.	Brightly colored and/or reflective jacket is important for worker visibility.	ts, vests, or other upper-body clothing	
	a. Head Protection	c. Hearing protection	
	b. Foot protection	d. Reflective/high-visibility garments	
4.	These should fit closely and never be mobility.	baggy, while allowing for maximum	
	a. Foot protection	c. Work pants and work shirts	
	b. Hearing protection	d. Reflective/high-visibility garments	
5.	It is used to protect against hand cuts a		
	a. Hearing protection	c. head protection	
	b. foot protection	d. hand protection	
6.	It should be worn on site that protect		
	falling equipment or materials.		
	a. Hearing protection	c. head protection	
	b. foot protection	d. hand protection	
7.	Used to protect against head injuries	related to swinging or falling objects,	
striking the head against something, or accidental head contact with			
electrical hazard.			
	a. Face and/or eye protectionb. Work pants and work shirts	c. Hand protection	
	b. Work pants and work shirts	d. Head Protection	
8.	It's generally advisable to wear it at all		
	crucial along active roadways, in low work.	lighting, and for dusk and nighttime	
	a. Foot protection	c. Work pants and work shirts	
	b. Hearing protection	d. Reflective/high-visibility garments	
9.	Personal Protective Equipment that pro	tects against heavy object or tool that	
	could be accidentally dropped on the fe	et	
	b. Hand protection	d. respirators	
10. Workers should protect their full legs, full arms, and torso against cur			
scrapes, burns, and other superficial injuries with thick, flexible work pa			
	and shirts.		

c. Work pants and work shirts

d. Reflective/high-visibility garments

a. Foot protection

b. Hearing protection



Direction: Match column A with column B. Write the letter of the correct answer to your activity notebook.

Column A	Column B
1. Foot protection	a. Hard hats
2. Hand protection	b. should fit closely and never be baggy
3. Work pants and work shirts	c. Safety glasses
4. Head Protection	d. ear muffs
5. Face and/or eye protection	e. gloves
6. Reflective/high-visibility garments	f. steel-toe boots
7. Hearing protection	j. vests

Answer Key

	7. Hearing protection
J. D	6. Foot protection
l.9	strida
S. C	5. Work pants and work
A. A	4. Hand protection
3.8	3. Head Protection
2. E	protection
J. F	2. Face and/or eye
Additional Activities	visibility garments
10.C	1. Reflective/high-
2.6	What's More
П.8	11012222014
Д.Т	protection
B.9	5. Face and/or eye
С.Б	4. Work pants and work shirts
4.C	garments Moult mork
3.D	vilidisiv
A.S.	3. Reflective/high-
A.1	2. Head protection
Assessment	1. Foot protection
7. Hand protection	What's New
6. Head Protection	
5. Face and/or eye protection	2. B
4. Work pants and work shirts	4. C
2. Poer processor. 3. Reflective/high-visibility garments	3. E
T. Fred first procedure 2. Foot protection	I. D 2. A
What I Can Do 1. Hearing protection	What I Know
What I Com Do	moay 1 +cdW

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