

LESSON PLAN

Date _____

Trade:- Welder

Name _____

Unit/Lesson:- Twenty Eight

Subject :- Safety precaution in Gas Metal Arc Welding and Gas Tungsten Arc Welding.

Introduction to GMAW equipment-accessories. Various other name of the process.

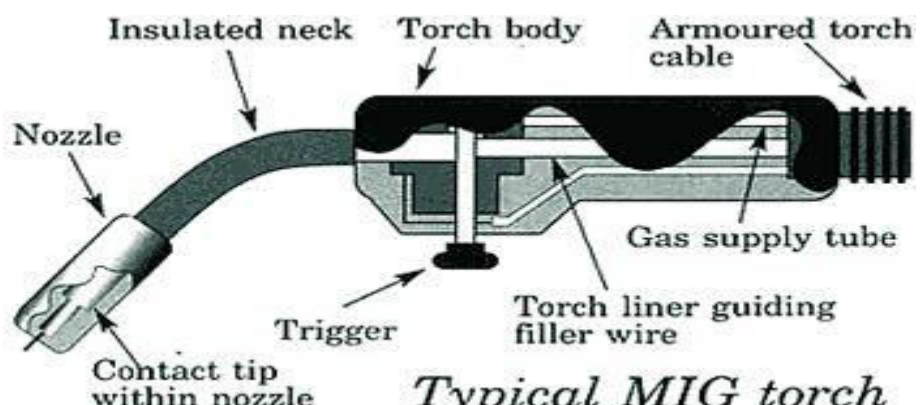
PREPARATION

1) Teaching Aids:-Chalk ,Charts,

INTRODUCTION:- Today we have discuss about safety in GMAW and GTAW , both machines are modern machines and used in industry in large scale.

PRESENTATION:-

Topic	Information Point	Spot Hint
Safety	Donot forget “a safe welder is always skill welder”	
	1. Always use all type safety device as like apron, goggles, welding helmet and hand glowes etc.	
	2. Use #12 for ferrous metal and #11 lenses for non-ferrous metals	
	3. Make jobs in welding booth so other people keep safe.	
	4. Always use exhaust fan.	
Introduction to GMAW equipments and accessories	<p>Power Source:- for generating electric arc power source is must needed. GMAW power source contain dc or ac output or both</p> <p>Figure 10-56. Equipment for flux-cored arc welding.</p>	
Wire feed unit	This part have most important role in GMAW. continue supply of current and filler wire completed by wire feeder. It	

	contains DC motor , wire puller roller and current /wire speed regulator.	
Shielding gas Unit	This unit use for shield the weld metal during welding and protect weld area from oxygen. It contains Cylinder, Gas regulator, Gas Flow meter, Heater and hose connection.	
Torch with torch cable	GMAW torch have all output for welding as like current supply, filler wire supply and shielding gas supply. It have an on/off switch for start or stop welding  <p style="text-align: center;"><i>Typical MIG torch</i></p>	
Other Name of GMAW	CO ₂ welding, MIG welding and MAG welding	

Questions:-

1	Wright the full name of GMAW?
2	What is use of gas cylinder?
3	What is role of wire feeder?

Summary:-

Today we learned about GMAW welding and this welding is modern welding contain capacity of almost all metal(ferrous and non-ferrous)It has one Power Source with a wire feeder system and shielding gas unit and a multipurpose welding torch.

Assignment:- Safety precaution in Gas Metal Arc Welding and Gas Tungsten Arc Welding.
Introduction to GMAW equipment-accessories. Various other name of the process.

Checked By _____

Instructor _____