

**Ag Metal Fabrication– Grade Levels 11-12
TEKS Manager**

Credit: (1/2)

Place a check (✓) in each column to show TEKS taught.

	TEKS	1 st 6 wks	2 nd 6 wks	3 rd 6 wks
(b) Introduction. To be prepared for careers in mechanized agricultural systems, students need to attain academic skills and knowledge, to acquire knowledge and skills related to mechanized agricultural systems and the workplace, and to develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success , students need to have opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.				
(c) Knowledge and skills.				
(1) The student learns the employability characteristics of a successful worker in the modern workplace. The student is expected to:	(A) identify career development and entrepreneurship opportunities in the field of metal fabrication;			
	(B) apply competencies related to resources, information, interpersonal skills, and systems of operation in metal fabrication;			
	(C) demonstrate knowledge of personal and mechanical safety practices in the workplace;			
	(D) identify employers' expectations, appropriate work habits, and good citizenship skills; and			
	(E) plan and manage supervised agricultural experience programs.			
(2) The student knows metal joining technology and processes relating to assembly of equipment in agricultural mechanics operations. The student is expected to:	(A) utilize appropriate tools			
	(B) identify and determine properties			

	TEKS	1 st 6 wks	2 nd 6 wks	3 rd 6 wks
(3) The student uses appropriate bench metal techniques. The student is expected to:	(A) select and use oxy-fuel equipment;			
	(B) select and use electric arc welding equipment; and			
	(C) apply specialty welding and cutting techniques;			
(4) The student plans and performs cost-effective construction techniques. The student is expected to:	(A) demonstrate the lay-out process;			
	(B) utilize computer-assisted design techniques;			
	(C) read and interpret designs and sketches;			
	(D) prepare bills of material;			
	(E) measure , mark, and cut material; and			
	(F) perform specialized nonmetallic fabrication techniques			

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