



Course Name	Course Name Sport Vehicle Technology III		Course Details	Credit = 2.0		
			Course = 0.50 Carnegie Unit Credit	Prerequisite: Sport Vehicle Technology II		
				CTE Credential: CTE Trai		
Course Description	designed to vehicle syste Students wil Students wil	Sport Vehicle Repair Technology III is a continuation of Sport Vehicle Repair Technology II. This course is designed to expose the students to a variety of vehicles. Students will expand previous skills into a complete vehicle system. Motorcycle and ATV Lawn equipment and other vehicles will be repaired and maintained. Students will also participate in shop operations which include customer relations, parts and labor accountability. Students will review an overview of employment possibilities in the sport vehicle repair industry.				
Note:		sure all essential knowledge an			_	
SCED Identification #	20102		60 calendar days of a 90-day semeste ntations, field trips, remediation, or othe		additional time for	
All courses taught in an		•	kills embedded into the course content. e.co.us/standardsandinstruction/e		r this course can	
Instructional Unit Topic	Suggested Length of Instruction	CTE or Academic Standard Alignment	Competency / Performance Indicator	Outcome / Measurement	CTSO Integration	
Safety and Industry Practices		Understand personal safety and environmental practices in accordance with OSHA safety regulations. Identify employers' expectations regarding safe and appropriate work habits, ethical conduct, and environmental responsibilities in the fields of automotive service.	Understand and identify work standards for the Sport Vehicle Industry. Student is expected to: A) Identify procedures to ensure compliance with personal and environmental safety practices associated with clothing; respiratory protection; eye protection; hand tools; power equipment; proper	 Student demonstrates safe employment shop practices: Identifies general shop safety rules and procedures. Utilizes safe procedures for handling of tools and equipment. Utilizes proper ventilation procedures for working within the lab/shop area. 		





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			ventilation; and the	Demonstrate appropriate	
	Understand and identify		handling, storage, and	industry working practices	
	work standards for the		disposal of	for verification of VIN	
	Sport Vehicle Industry.		chemicals/materials in	numbers and use of	
			accordance with local,	standard documentation	
			state, and federal safety	and repair tools,	
			and environmental	equipment, and processes.	
			practices;		
		B)	Identify various sport	Demonstrate	
			vehicle types and the	understanding of industry	
			characteristics of each	certification requirements	
			as it pertains to the	and how those are used	
			repair and service	locally for employment	
			process;	hiring and advancement.	
		C)	Identify major structural	0	
			and non-structural		
			components, sections,		
			and assemblies of		
			various types of sport		
			vehicles;		
		D)	Interpret Vehicle		
			Identification Number		
			(VIN) plate;		
		E)	Identify common hand		
			tools used in the sport		
			vehicle repair industry;		
		F)	Identify various		
			pneumatic, electric and		
			hydraulic tools and		
			equipment used in the		
			sport vehicle repair		
			industry;		
		G)	List various job titles		
			and identify specific		
			areas of employment		
			within the sport vehicle		
			repair industry, and		





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		 describe the working environment; H) Determine the demand for entry-level technicians, and list skills employers expect of entry-level technicians and I) Determine the amount of training and education necessary to enter into the sport vehicle repair industry, and the requirements for becoming manufacture certified. 	
Drive System	Understand and apply advanced knowledge of sport vehicle drive systems for repair and service.	Understand and apply advanced knowledge of sport vehicle drive systems for repair and service. Student is expected to: A) Identify and diagram several transmission types including special features; B) Demonstrate understanding of transmission operation and gear ratio selection using mathematical equations; C) Perform various transmission repair procedures as applicable; and	





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		 D) Demonstrate understanding of clutch systems through disassembly and re- assembly in a variety of vehicles. 	
Advanced Engines	Understand and apply advanced knowledge of sport vehicle engines for repair and service.	Understand and apply advanced knowledge of sport vehicle engines for repair and service. Student is expected to: A) Inspect and determine condition of four-stroke engine components and repair procedures; B) Disassemble and re- assemble four- stroke engines and related assemblies; and C) Identify newly designed engines that meet current EPA regulations.	
Advanced Fuel	Understand and apply advanced knowledge of sport vehicle fuel systems for repair and service.	Understand and apply advanced knowledge of sport vehicle fuel delivery systems for repair and service. Student is expected to: A) Demonstrate an understanding of basic fuel system functions;	





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		 B) Identify fuel filters, carburetors, and electronic- controlled injection systems; C) Evaluate bench tests and install various types of fuel pumps and filters; D) Apply basic diagnostic service procedures; E) Perform minor repair projects; F) Diagnose and test electronic fuel, hybrid and ignition control systems; and G) Perform major maintenance projects. 	
Brakes and Suspension	Understand and apply advanced knowledge of sport vehicle brake and suspension systems for repair and service.	Understand and apply advanced knowledge of sport vehicle brake and suspension systems for repair and service. Student is expected to: A) Identify and diagram a minimum of four frame types, including special features; B) Identify and demonstrate appropriate procedures used to	





 inspect and repair power vehicle frames; C) Identify and diagram telescopic fork components, including special features; D) Demonstrate ability to inspect suspension systems for flaws and damage; E) Identify appropriate procedures used to inspect and repair suspension systems; F) Identify various power vehicle tire and wheel designs, their correct application, and replacement or repair; G) Demonstrate ability to inspect and replace wheel bearings as needed; H) Identify and diagram a minimum of two brake system types, including special features; I) Identify various braking systems, including emergency brakes, Electronic Brake 			
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		Force Distribution (EBD), ABS, and electronic stability control systems; and J) Demonstrate ability to inspect brake systems for damage/wear and repair as needed.	
General Service	Demonstrate general service and repair techniques for sport vehicles.	 Demonstrate general service and repair techniques for sport vehicles. Student is expected to: (A) Demonstrate ability to work in a simulated shop situation; (B) Document through written media the repair procedure used in a given instance of repairing Sport Vehicle; (C) Apply appropriate procedures used to inspect a Sport Vehicle before repair procedures are started and after repairs are complete; (D) Justify the inspection and repair technique used in a given instance of repairing a Sport Vehicle; and (E) Build and implement communication skills. 	





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