

1st Semester Pacing Guide					
Program		Teacher			
Week 1	Auto Tech II		Parker		
1st/2nd/ Marking Period Topic/Unit	Virginia State Competencies	Standardized Test Areas for NOCTI/NCCT/Lie./Cert.	Supporting Equipment/Technology		
	ORIENTATION/ COURSE INTRODUCTION	NONE	NONE	NONE	
	SAFETY	TDI8506-08.007	NONE	SAFETY GLASSES,SAFETY SHOES,	
	SP2 MODULES		SP2	GLOVES, FIRE EXTINGUISHER,	
	ALLDATA TRAINING			FLAMMABLE MATERIAL CABINET.	
				VEHICLE LIFT,JACK STANDS,	
				SAFE UNDERHOOD PROCEDURES	
Week 2-7	<b>AIR CONDITIONING/ HEATING/ VENTILATION</b>				
	DIAGNOSING,REPAIRING AIR-CONDITION	TDI8506-08.147	ASE REFRIGERANT/RECOVERY TEST		
	Diagnose and performance test A/C systems for problems, and dt needed repairs.	TDI8506-08.148		REFRIGERANT PRESSURE GAUGES	
	Clean, inspect, and repair A/C system components.	TDI8506-08.149		RELATED HAND TOOLS	
	Evacuate and charge temperature control system, and performan	TDI8506-08.150		REFRIGERANT RECOVERY MACHINE	
	Diagnose and repair automatic and electrical temperature control	TDI8506-08.151			
	<b>Diagnosing and Repairing Heating System</b>				
	Diagnose and repair heating system problems and determine nee	TDI8506-08.152			
	Inspect and replace heating system components.	TDI8506-08.153			
Week 8-18	<b>ENGINE PERFORMANCE</b>				
	<b>Diagnosing and Repairing Ignition System</b>		NA3SA CREDENTIALING		
	Test engine performance using engine analyzer (and NATEF-recc tools), and determine needed repairs.	TDI8506-08.041		ENGINE ANALYZER (SOLUS)	
	Inspect, repair, or replace primary ignition components.	TDI8506-08.042		IGNITION ANALYZER (MODIS)	
	Inspect, repair, or replace secondary ignition components.	TDI8506-08.043		RELATED HAND TOOLS	

	Adjust ignition system to manufacturer's specifications.	TDI8506-08.044		TIMING LIGHT
	Perform on-board computer system diagnosis.	TDI8506-08.045		SCAN TOOL(MODIS, GENYSIS)
	Repair or replace computer system components.	TDI8506-08.046		RELATED HAND TOOLS
	<b>Diagnosing and Repairing Fuel and Exhaust System</b>			
	Diagnose and determine needed repairs on fuel system.	TDI8506-08.047		FUEL PRESSURE GAUGE
	Inspect, repair, or replace fuel supply component.	TDI8506-08.048		RELATED HAND TOOLS & TESTERS
	Disassemble, clean, and inspe	TDI8506-08.049		RELATED HAND TOOLS
	Reassemble and adjust carburetor.	TDI8506-08.050		RELATED HAND TOOLS
	Disassemble, clean, and inspect fuel injection components.	TDI8506-08.051		FUEL INJECTOR CLEANER
	Repair or replace fuel injection components.	TDI8506-08.052		RELATED HAND TOOLS
	Fuel Injection Only	TDI8506-08.053		
	Diagnose exhaust system problems (including those involved with" technology, such as noise cancellation devices), and repair exhaust meet manufacturer's specifications.	TDI8506-08.054		EXHAUST BACK PRESSURE GAUGE
	Identify issues involved in alternative fuel (e.g., diesel fuel, compn natural gas) and multi-fuel systems.	TDI8506-08.055		
	<b>Diagnosing and Repairing Emission Control System</b>			
	Diagnose and determine needed repairs on emission control systi basic and complex).	TDI8506-08.056		SCAN TOOL
	Clean, inspect/replace PCV system components.	TDI8506-08.057		THROTTLE BODY CLEANER
	Clean, inspect/replace spark timing controllers.	TDI8506-08.058		MULTI- METER
	Clean, inspect/replace idle speed controllers.	TDI8506-08.059		THROTTLE BODY CLEANER
	Clean, inspect/replace exhaust gas recirculation. Analyse Exhaust gase	TDI8506-08.060		VACUUM PUMP,4 GAS ANALYZER
	IIClean, inspect/replace air management system.	ITDI8506-		THROTTLE BODY CLEANER