

Program Name:**OUTDOOR POWER EQUIPMENT TECHNOLOGY****2019-2020 SCOPE & SEQUENCE****Secondary Scope & Sequence**

- ⊙ Technical - Major units and levels with estimated hours
- ⊙ Academic - Recommended

Subject – Hours	Level I	Estimate of Hours	Level II	Estimate of Hours	Level III	Estimate of Hours	Level IV	Estimate of Hours
Technical	FOLLOW SAFETY RULES AND REGULATIONS SP/2	40	DEMONSTRATE KNOWLEDGE OF BASIC ELECTRICITY	42	SERVICE AND TEST CHARGING SYSTEMS	160	CONDUCT A FAILURE ANALYSIS ON GASOLINE ENGINES	160
	DEMONSTRATE KNOWLEDGE OF THE PRINCIPLES AND DESIGN OF 2-CYCLE AND 4-CYCLE ENGINES	44	DEMONSTRATE KNOWLEDGE AND SERVICE OF COOLING SYSTEMS	35	SERVICE BRAKING SYSTEMS	75	EETC ELECTRICAL TEST	100
	DEMONSTRATE KNOWLEDGE OF LUBRICATION AND FUEL SYSTEMS	60	SERVICE FUEL SYSTEMS ON ALL ENGINES	61	SERVICE CLUTCHES AND EQUIPMENT DRIVES	15	EETC DRIVELINE/HYDRO TEST	100
	DEMONSTRATE SKILL WITH MEASURING SYSTEMS AND TOOLS	34	DEMONSTRATE THE KNOWLEDGE AND THE SERVICE PROCEDURES OF EXHAUST SYSTEMS	27	ORDER REPAIR PARTS AND KEEP RECORDS	10		
	IDENTIFY AND USE HAND TOOLS AND FASTENERS	32	WELD WITH AN ELECTRIC WELDER AND OXYACETYLENE TORCH	44	EETC TWO STROKE TEST	50		
	OVERHAUL A 4-CYCLE GASOLINE ENGINE	72	DIAGNOSE PERFORMANCE PROBLEMS ON A 2-CYCLE GASOLINE ENGINE	29	EETC COMPACT DIESEL TEST	50		
	SERVICE MANUAL AND ELECTRICAL STARTING SYSTEMS	40	DIAGNOSE PROBLEMS ON A 4-CYCLE GASOLINE ENGINE	42				
	IDENTIFY AND SERVICE GOVERNORS AND SERVICE LUBRICATION SYSTEMS	38	EETC FOUR STROKE CERTIFICATION	80				
English (4)	College Prep English I		College Prep English II		College Prep English III		College Prep English IV	
Math (3)	Algebra I		Algebra II		Geometry		Higher Level College Prep Math (recommended)	
Science (3)	Biology		Chemistry		Physics			
Humanities (covering these courses in any order) (3)	Civics		U.S. History		World History			
Other	Foreign Language I (recommended)		Foreign Language II (recommended)					