

NATEF Curriculum - 100% Task Coverage



ATech Training, Inc. and IMS (Instructional Media Services), formerly IML (Instructional Materials Laboratory) of the University of Missouri - Columbia have agreed on a collaborative effort of courseware and equipment development. The IMS curriculum package will include references to instructional activities on the relevant ATech Training systems. The program covers all NATEF tasks. Coverage also includes Safety, Shop Operation, Components and Careers.

The USB Drive curriculum is in Portable Document Format (PDF) and can be accessed using Adobe Acrobat Reader on either PC or Macintosh platforms. Job sheets,

assignment sheets and tests are also on the USB Drive as Rich Text Files (RTF) that can be opened by most word processing programs. RTF enables the instructor to customize components to reflect available equipment and individual teaching styles. This will enable students to use a computer to take the test or record job sheet performance. Contact ATech for individual USB Drive and complete package pricing.

INTRODUCTION TO AUTOMOTIVE TECHNOLOGY		
0-6	Date	A. Safety
		1. Identify the safe use of chemicals
		2. Identify the safe use of hand tools
		3. Identify the safe use of power tools
		4. Identify the safe use of protective clothing and equipment
		5. Identify the safe use of fire protection equipment
		6. Identify the safe use of shop equipment
		7. Follow Environmental Protection Agency (EPA) and Occupational Safety and Health Act (OSHA) regulations
0-6	Date	B. Shop Operation
		1. Communicate with customers and write repair orders
		2. Estimate time and cost for a job and order parts
		3. Obtain appropriate repair information from service manuals
		4. Practice clean and orderly work habits (vehicle, tools, and work area)
0-6	Date	C. Components and Careers
		1. Identify basic function and operation of vehicle mechanical components
		2. Identify automotive technology career opportunities and the duties of a technician
ELECTRICAL SYSTEMS		
0-6	Date	D. General Electrical System Diagrams
		1. Check continuity in electrical circuits using test light and voltmeter, oscilloscope, and wiring diagram
		2. Check for shorts, opens, and grounds
		3. Measure resistances in electrical circuits using an ohmmeter
		4. Measure volts with a voltmeter or oscilloscope
		5. Measure current with an ammeter
0-6	Date	E. Battery Diagnosis and Service
		1. Clean and inspect battery clamps, cables, and connectors
		2. Perform battery condition tests
		3. Jump start a vehicle
		4. Charge and install a battery

Task List Section

Student Task Performance Record

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