

**CORRELATION
FLORIDA DEPARTMENT OF EDUCATION
COURSE DESCRIPTION**

SUBJECT: Industrial Education
COURSE NAME: Automotive Service Technology 2
SUBMISSION TITLE: Automotive Excellence Volume 2 © 2007
PUBLISHER: Glencoe/McGraw-Hill
GRADE(S): 9-12

COURSE CODE NUMBER: 8709420

OUTCOME NUMBER	BENCHMARK NUMBER	INTENDED OUTCOME/BENCHMARK DESCRIPTION	PAGE(S) OR LOCATION(S) WHERE TAUGHT IN MAJOR TOOL	I/M*
26		DEMONSTRATE PROFICIENCY IN APPROPRIATE MATH SKILLS		
26.01		Read and interpret measuring devices (rules and tapes) MA.B.241, MA.B.242	SE2: HB78-82	I
26.02		Solve number word problems. MA.A.343, MA.D.242, MA.C.241, MA.E.141, MA.B.142, MA.B.143, MA.B.241	SE2: ER119, ER149, ER158, ER174, ER212, ER230, ER243, ER261, HA284, HA309, HA320, HA350, HA372, HA385, AT413, AT440, AT462, AT481, AT500, AT510, AT550, MD562, MD586, MD603, MD631, MD687	I
26.03		Write percents add fractions and decimals. MA.A.144	SE2: HA320, MD631	I
26.04		Solve percent problems. MA.A.343	SE2: HA320, MD631 AA: 11-12	I
26.05		Find the percent of a number. MA.A.342, MA.A.343	SE2: HA320, MD631 AA: 11-12	I
26.06		Operate a calculator. MA.B.241		
26.07		Understand and use the metric system. MA.A.144	SE2: HB78-80, ER119, HA350, AT413	I
26.08		Convert inches to millimeters and millimeters to inches. MA.A.144	SE2: HB80	I
26.09		Solve problems for volume, weight, area, circumference and perimeter measurements for rectangles, squares, and cylinders. MA.B.141, MA.B.341	SE2: ER119, ER212	I
26.10		Measure tolerance(s) on horizontal and vertical surfaces using millimeters, centimeters, feet and inches. MA.B.441	SE2: ER243	I
26.11		Add, subtract, multiply and divide using fractions, decimals, and whole numbers. MA.A.341, MA.A.342, MA.A.343	SE2: ER119, ER158, ER212, ER230, ER243, AT320, AT372, AT413, AT550, MD562, MD631, MD687	I
26.12		Determine the correct purchase price, to include sales tax for a materials list containing a minimum of six items. MA.A.343	AA: 318-319	I

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26.13		Understand and interpret gears and gear ratios. MA.B.143, MA.C.241	SE2: AT440, MD586	I
27		DEMONSTRATE PROFICIENCY IN APPROPRIATE UNDERSTANDING OF BASIC SCIENCES		
27.01		Understand molecular action as a result of temperature extremes, chemical reaction, and moisture content. SC.A.142, MA.B.341, MA.B.442	SE2: ER116, HA340, HA329	I
27.02		Draw conclusions or make inferences from data. SC.H.242, SC.H.147, LA.A.248, LA.A.142, MA.E.341, MA.E.342	SE2: ER126, MD666	I
27.03		Related problems, which may result from exposure to work related chemicals and hazardous materials, and know the proper precautions required for handling such materials. LA.A.244, LA.A.246, LA.A.143	SE2: HB93-101	I
27.04		Understand pressure measurement in terms of P.S.I., inches of mercury, and K.P.A. SC.B.143, MA.B.242	SE2: HB78-82, ER-186, HA-340, HA320	I
28		DEMONSTRATE PROFICIENCY IN EMPLOYABILITY SKILLS		
28.01		Identify employment requirements for an automotive career. LA.B.241, LA.B.242	SE2: HB39-51	I
28.02		Identify documents which may be required when applying for a job. LA.A.241	IRCD: Workplace Skills	M
28.03		Complete a job application form correctly. LA.B.241, LA.B.242, LA.B.243	AA: 7-8	I
28.04		Identify and adopt acceptable work habits. LA.D.142	SE2: HB47-51	I
28.05		Demonstrate acceptable employee health habits; including infection control of blood born pathogens. LA.C.141, LA.C.142	SE2: HB101	I

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28.06		Demonstrate appropriate telephone/communication skills. LA.C.141, LA.C.342	SE2: HB50	I
28.07		Conduct a job search. LA.A.246, LA.A.248	SE2: HB42-45	I
28.08		Demonstrate competence in job interview techniques. LA.C.141, LA.C.342	IRCD: Job Interview Techniques	I
28.09		Identify or demonstrate appropriate responses to criticism from employer, supervisor or other employees. LA.C.141, LA.C.143, LA.C.342	SE2: HB49 IRCD: Responding to Feedback in the Job	I
28.10		Demonstrate knowledge of how to make job changes appropriately. LA.B.241, LA.B.242	IRCD: Preparing for Job Changes	I
29		DEMONSTRATE PROFICIENCY IN APPROPRIATE COMMUNICATION SKILLS		
29.01		Write logical and understandable statements, or phrases, to accurately fill out forms/invoices commonly used in business and industry. LA.B.241, LA.B.242, LA.B.243	SE2: ER126, ER152, MD646	I
29.02		Read and follow written and oral instructions. LA.A.244, LA.A.241, LA.C.141.	SE2: ER248, HA398, AT444, MD578, MD666	I
29.03		answer and ask questions coherently and concisely. LA.C.342, LA.C.343, LA.C.344, LA.C.345	SE2: AT504, AT528, MD598, MD646	I
29.04		Read critically by recognizing assumptions and implications and by evaluating ideas. LA.A.244, LA.A.246, LA.A.247	SE2: ER248, HA398, AT420, AT444, AT552, AT484	I
30		DEMONSTRATE PROFICIENCY IN UNDERSTANDING OF ENTREPRENEURSHIP		
30.01		Define entrepreneurship. LA.A.142, LA.A.143, LA.A.241	IRCD: Entrepreneurship	I
30.02		Describe the importance of entrepreneurship to the American economy. LA.A.248	IRCD: Entrepreneurship	I
30.03		List the advantages and disadvantages of business ownership. LA.C.141, LA.B.242	IRCD: Entrepreneurship	I

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30.04		Identify the risks involved in ownership of business. LA.C.141, LA.B.242	IRCD: Entrepreneurship	I
30.05		Identify the necessary personal characteristics of a successful entrepreneur. LA.C.141, LA.B.242	IRCD: Entrepreneurship	I
30.06		Identify the business skills needed to operate a small business efficiently and effectively. LA.C.141, LA.B.242, MA.A.343	IRCD: Entrepreneurship	I
30.07		Identify and apply communication skills used in automotive careers. LA.C.141, LA.C.143, LA.C.342, LA.C.344	SE2: HB49-51, ER126, ER248, ER216, ER268, ER232, HA374, HA398, HA352, AT420, AT444, AT484, AT552, MD578, MD598, MD622, MD646, MD666, MD692	I
31		DEMONSTRATE PROFICIENCY IN ACCEPTABLE EMPLOYEE BEHAVIOR IN THE AUTOMOTIVE INDUSTRY		
31.01		Explain the effects of chemical/substance abuse. LA.C.343	IRCD: Substance Abuse - Why Risk It?	I
31.02		Identify principles of stress management. LA.C.141	IRCD: Stress Management	I
31.03		Identify and define career opportunities in the automotive service industry. LA.C.141, LA.A.244	SE2: HB42-45	I
31.04		Demonstrate acceptable industry dress code.	SE2: HB49	M
31.05		Identify and demonstrate proper customer relation skills. LA.C.141, LA.C.344	SE2: HB49, MD666, ER126	I
31.06		Identify and define payroll deductions (taxes, insurance, and social security) employee benefits and pay systems. LA.B.243, LA.A.244, LA.A.143, MA.A.343, MA.B.341	AA: 11-12	I
31.07		Identify principles of time management. MA.B.341	SE2: HB46	M
31.08		Identify acceptable customer relations. LA.C.141, LA.C.344	SE2: MD598, MD646, MD666, MD692	I

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