

**Florida Department of Education
CURRICULUM FRAMEWORK**

Program Title: Automotive Detailing And Reconditioning
Program Type: Job Preparatory
Occupational Area: Industrial Education
Components: N/A

	<u>Secondary</u>	<u>PSAV</u>
Program Numbers	8710000	I470623
CIP Number	0647.060302	0647.060302
Grade Level	9-12, 30, 31	30, 31
Length	3 Credits	450 Hours
Certification	AUTO BODY @7 G AUTO IND @7 G AUTO MECH @7 G	AUTO BODY @7 G AUTO IND @7 G AUTO MECH @7 G
Facility Code	246	246
CTSO	SkillsUSA-VICA	SkillsUSA-VICA
Coop Method	Yes	Yes
Apprenticeship	No	No

- I. **PURPOSE:** The purpose of this program is to prepare students for employment as an automobile detailer, DOT 915.687-034, or to provide supplemental training for persons currently or previously employed in these occupations.

The content should include, but not be limited to, communication skills, leadership skills, human relations and employability skills, safe and efficient work practices.

Listed below are the courses that comprise this program when offered at the secondary level:

8710010 - Automotive Detailing 1
8710020 - Automotive Detailing 2
8710030 - Automotive Detailing 3

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Automotive Detailing and Reconditioning industry; planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

- II. **LABORATORY ACTIVITIES:** Shop or laboratory activities are an integral part of this program and provide instruction in use of hand and power tools, interior and exterior cleaning of vehicles, fabric and vinyl repairs, cleaning and preservation of vehicle paint surfaces, and application of pinstripes and window tint.
- III. **SPECIAL NOTE:** SkillsUSA-VICA, Inc. is the appropriate Career and Technical Student Organization (CTSO) for providing leadership training and for reinforcing specific career and technical skills. Career and Technical Student Organizations, when provided, shall be an integral part of the career and technical instructional program, and the activities of such organizations are defined as part of the curriculum in accordance with Rule 6A-6.065, FAC.

Cooperative training - OJT is appropriate for this program. Whenever cooperative training - OJT is offered, the following are required for each student: a training plan, signed by the student, teacher, and employer, which includes instructional objectives and a list of on-the-job and in-school learning experiences; a workstation that reflects equipment, skills and tasks that are relevant to the occupation which the student has chosen as a career goal. The student must receive compensation for work performed.

When a secondary student with a disability is enrolled in a vocational class with modifications to the curriculum framework, the particular outcomes and student performance standards, which the student must master to earn credit, must be specified on an individual basis. The job or jobs for which the student is being trained should be reflected in the student's desired postschool outcome statement on the Transition Individual Educational Plan (Transition IEP).

In accordance with Rule 6A-10.040, FAC, the minimum basic-skills grade levels required for adult vocational students to complete this program are: Mathematics 9.0, Language 9.0, Reading 9.0. These grade-level numbers correspond to grade-equivalent scores obtained on one of the state-designated basic-skills examinations. If a student does not meet the basic-skills level required for completion of the program, remediation should be provided concurrently through Vocational Preparatory Instruction (VPI). Please refer to the Rule for exemptions.

To be transferable statewide between institutions, this program/course must have been reviewed, and a "transfer value" assigned the curriculum content by the appropriate Statewide Course Numbering System discipline committee. This does not preclude institutions from developing specific program or course articulation agreements with each other.

When this program is offered at the postsecondary level it may be offered in courses. Vocational credit shall be awarded to the student on a transcript in accordance with Section 230.643, F.S.

The standard length of this program is 450 hours.

IV. **INTENDED OUTCOMES:** After successfully completing the program, the student will be able to:

OCCUPATIONAL COMPLETION POINT - DATA CODE - A (150 Hours)
BASIC PREP/AUTOMOTIVE

- 01.0 Demonstrate shop and occupational safety skills.
- 02.0 Demonstrate proficiency in washing a vehicle.
- 03.0 Perform vehicle interior cleaning.

OCCUPATIONAL COMPLETION POINT - DATA CODE - B (150 Hours)
RECONDITIONING DETAILER

- 04.0 Demonstrate proficiency in reconditioning vehicle paint surfaces.
- 05.0 Demonstrate proficiency in caring for vinyl tops.

- 06.0 Degrease and clean engine compartment.
- 07.0 Perform minor upholstery and vinyl repairs.

OCCUPATIONAL COMPLETION POINT - DATA CODE - C (150 Hours)
AUTOMOBILE DETAILER - DOT 915.687-034

- 08.0 Demonstrate proficiency in applying vinyl pinstripes.
- 09.0 Demonstrate proficiency in applying window tint.
- 10.0 Demonstrate appropriate communication skills.
- 11.0 Demonstrate appropriate math skills
- 12.0 Demonstrate appropriate understanding of basic science.
- 13.0 Demonstrate employability skills.
- 14.0 Demonstrate an understanding of entrepreneurship.

Florida Department of Education
STUDENT PERFORMANCE STANDARDS

Course Number: 8710010
Course Title: Automotive Detailing 1
Course Credit: 1

COURSE DESCRIPTION:

01.0 DEMONSTRATE SHOP AND OCCUPATIONAL SAFETY SKILLS--The student will be able to:

- 01.01 Apply shop safety rules and procedures.
- 01.02 Comply with safety rules regarding chemicals.
- 01.03 Comply with shop safety rules regarding hand tools and power equipment.
- 01.04 Apply fire safety rules and procedures.
- 01.05 Comply with EPA standards regarding use of and disposal of chemicals.

02.0 DEMONSTRATE PROFICIENCY IN WASHING A VEHICLE--The student will be able to:

- 02.01 Identify the proper supplies needed to wash a vehicle.
- 02.02 Identify the correct sequence of washing a vehicle.
- 02.03 Dry the vehicle.
- 02.04 Inspect the finished vehicle.

03.0 PERFORM VEHICLE INTERIOR CLEANING--The student will be able to:

- 03.01 Identify the proper supplies and chemicals needed to clean and protect a vehicle interior.
- 03.02 Vacuum a vehicle interior.
- 03.03 Shampoo and/or clean vehicle upholstery.
- 03.04 Apply fabric guard chemicals.
- 03.05 Apply vinyl dressing and preservative chemicals.
- 03.06 Apply fabric-reconditioning dyes.
- 03.07 Apply vinyl dyes.

Florida Department of Education
STUDENT PERFORMANCE STANDARDS

Course Number: 8710020
Course Title: Automotive Detailing 2
Course Credit: 1

COURSE DESCRIPTION:

04.0 DEMONSTRATE PROFICIENCY IN RECONDITIONING VEHICLE PAINT SURFACES--
The student will be able to:

- 04.01 Identify the proper supplies and chemicals needed to recondition vehicle paint surfaces.
- 04.02 Operate a power buffer.
- 04.03 Apply rubbing/buffing compound.
- 04.04 Remove heavy paint oxidation.
- 04.05 Apply polishing compounds.
- 04.06 Apply waxes, sealants, and polymers.
- 04.07 Apply touch-up paint.

05.0 DEMONSTRATE PROFICIENCY IN CARING FOR VINYL TOPS--The student will be able to:

- 05.01 Identify the proper supplies and chemicals needed to care for vehicle vinyl tops.
- 05.02 Apply vinyl top cleaners.
- 05.03 Apply vinyl top dyes.
- 05.04 Apply vinyl top dressings.

06.0 DEGREASE AND CLEAN VEHICLE ENGINE COMPARTMENT--The student will be able to:

- 06.01 Identify the proper supplies and chemicals needed to clean and recondition vehicle engine compartment.
- 06.02 Operate a high-pressure washer.
- 06.03 Degrease engine and engine compartment.
- 06.04 Select and apply correct color engine paint.
- 06.05 Apply clear engine paint.
- 06.06 Inspect belts and hoses.

07.0 PERFORM MINOR UPHOLSTERY AND VINYL REPAIRS--The student will be able to:

- 07.01 Identify the supplies necessary to perform minor upholstery repair.
- 07.02 Repair fabric upholstery.
- 07.03 Repair vinyl seat upholstery.
- 07.04 Repair vinyl dashboards.

Florida Department of Education
STUDENT PERFORMANCE STANDARDS

Course Number: 8710030
Course Title: Automotive Detailing 3
Course Credit: 1

COURSE DESCRIPTION:

- 08.0 DEMONSTRATE PROFICIENCY IN APPLYING VINYL PINSTRIPES--The student will be able to:
 - 08.01 Identify the supplies and materials necessary to pinstripe a vehicle.
 - 08.02 Sketch a vehicle pinstripe layout.
 - 08.03 Apply pinstripes to a vehicle.
 - 08.04 Sketch a multi-color graphic design using vinyl material.
 - 08.05 Apply a vinyl multi-color graphic design to a vehicle.

- 09.0 DEMONSTRATE PROFICIENCY IN APPLYING WINDOW TINT--The student will be able to:
 - 09.01 Identify the supplies and materials necessary to apply window tint to a vehicle.
 - 09.02 Comply with local and state regulations regarding application of window tint on motor vehicles.
 - 09.03 Apply window tint on flat glass surfaces.
 - 09.04 Apply window tint to curved glass surfaces.

- 10.0 DEMONSTRATE APPROPRIATE COMMUNICATION SKILLS--The student will be able to:
 - 10.01 Write logical and understandable statements, or phrases, to accurately fill out forms/invoices commonly used in business and industry.
 - 10.02 Read and understand graphs, charts, diagrams, and tables commonly used in this industry/occupation area.
 - 10.03 Read and follow written and oral instructions.
 - 10.04 Answer and ask questions coherently and concisely.
 - 10.05 Read critically by recognizing assumptions and implications and by evaluating ideas.
 - 10.06 Demonstrate appropriate telephone/communication skills.

- 11.0 DEMONSTRATE APPROPRIATE MATH SKILLS--The student will be able to:
 - 11.01 Solve problems for volume, weight, area, circumference and perimeter measurements for rectangles, squares, and cylinders.
 - 11.02 Measure tolerance(s) on horizontal and vertical surfaces using millimeters, centimeters, feet and inches.
 - 11.03 Add, subtract, multiply and divide using fractions, decimals, and whole numbers.
 - 11.04 Determine the correct purchase price, to include sales tax for a materials list containing a minimum of six items.
 - 11.05 Demonstrate an understanding of federal, state and local taxes and their computation.

- 12.0 DEMONSTRATE APPROPRIATE UNDERSTANDING OF BASIC SCIENCE--The student will be able to:
- 12.01 Understand molecular action as a result of temperature extremes, chemical reaction, and moisture content.
 - 12.02 Draw conclusions or make inferences from data.
 - 12.03 Identify health-related problems, which may result from exposure to work related chemicals and hazardous materials, and know the proper precautions required for handling such materials.
 - 12.04 Understand pressure measurement in terms of P.S.I., inches of mercury, and K.P.A.
- 13.0 DEMONSTRATE EMPLOYABILITY SKILLS--The student will be able to:
- 13.01 Identify career opportunities in Auto Detailing.
 - 13.02 Conduct a job search.
 - 13.03 Secure information about a job.
 - 13.04 Identify documents that may be required when applying for a job.
 - 13.05 Complete a job application form correctly.
 - 13.06 Demonstrate competence in job interview techniques.
 - 13.07 Identify or demonstrate appropriate responses to criticism from employer, supervisor or other persons.
 - 13.08 Identify acceptable work habits.
 - 13.09 Demonstrate knowledge of how to make appropriate job changes.
 - 13.10 Demonstrate acceptable employee health habits.
 - 13.11 Demonstrate knowledge of the "Florida Right-To-Know Law" as recorded in Florida Statutes Chapter 442.
- 14.0 DEMONSTRATE AN UNDERSTANDING OF ENTREPRENEURSHIP--The student will be able to:
- 14.01 Define entrepreneurship.
 - 14.02 Describe the importance of entrepreneurship to the American economy.
 - 14.03 List the advantages and disadvantages of business ownership.
 - 14.04 Identify the risks involved in ownership of a business.
 - 14.05 Identify the necessary personal characteristics of a successful entrepreneur.
 - 14.06 Identify the business skills needed to operate a small business efficiently and effectively.