

**Florida Department of Education
CURRICULUM FRAMEWORK**

Program Title: Floor Covering Installation
Occupational Area: Industrial Education

	<u>Secondary</u>	<u>PSAV</u>
Program Numbers	8721400	I460405
CIP Number	0646.040500	0646.040500
Grade Level	9-12, 30, 31	30, 31
Length	3 credits	450 hours
Certification	TEC CONSTR ¶7 ¶G BLDG CONST ¶7 ¶G FLOORING @7 G	TEC CONSTR ¶7 ¶G BLDG CONST ¶7 ¶G FLOORING @7 G

- I. **MAJOR CONCEPTS/CONTENT:** The purpose of this program is to prepare students for employment as a floor covering installer.

The content includes, but is not limited to, communication skills, leadership skills, human relations and employability skills, safe and efficient work practices, classroom instruction and shop experiences in the preparation of floors for the layout, measuring, cutting, sewing, of sound-deadening or decorative covering for floors and walls. The preparation of floors for, and the layout, measuring, cutting and installation of linoleum and vinyl sheet floor covering and tile are included.

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

- 8721410 - Floor Covering Installation 1
- 8721420 - Floor Covering Installation 2
- 8721430 - Floor Covering Installation 3

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Floor Covering industry; planning, management, finance, technical and product 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 the basic hand tools and equipment including knee kickers, seaming irons, power stretchers, strippers, tile cutters, hand binding staplers, and hammer drills.
- 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.

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 8.0, Language 8.0, 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.

SCANS Competencies: Instructional strategies for this program must include methods that require students to identify, organize, and use resources appropriately; to work with each other cooperatively and productively; to acquire and use information; to understand social, organizational, and technological systems; and to work with a variety of tools and equipment. Instructional strategies must also incorporate the methods to improve students' personal qualities and high-order thinking skills.

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).

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 - A

- 01.0 Demonstrate safe and efficient work practices.
- 02.0 Interpret blueprints and specifications.
- 03.0 Select, care for and use tools and materials.
- 04.0 Demonstrate sketching, measuring, and drawing proficiency.
- 05.0 Demonstrate knowledge of material and cost estimates.
- 06.0 Demonstrate knowledge of current industry standards, practices and techniques.
- 07.0 Demonstrate appropriate communication skills.
- 08.0 Demonstrate appropriate math skills.

- 09.0 Demonstrate appropriate understanding of basic science.
- 10.0 Demonstrate employability skills.
- 11.0 Demonstrate an understanding of entrepreneurship.

Florida Department of Education
STUDENT PERFORMANCE STANDARDS

Program Title: Floor Covering Installation
Secondary Number: 8721400
Postsecondary Number: I460405

- 01.0 DEMONSTRATE SAFE AND EFFICIENT WORK PRACTICES--The student will be able to:
- 01.01 Identify commonly used tools and safety practices.
 - 01.02 Demonstrate proper methods of lifting and carrying.
 - 01.03 Explain safety rules to be followed at all times.
- 02.0 INTERPRET BLUEPRINTS AND SPECIFICATIONS--The student will be able to:
- 02.01 Identify commonly used symbols.
 - 02.02 Determine area from dimensions given on prints.
- 03.0 SELECT, CARE FOR AND USE TOOLS AND MATERIALS--The student will be able to:
- 03.01 Demonstrate use of cutting and seaming tools.
 - 03.02 Demonstrate use of carpet installation tools.
 - 03.03 Demonstrate the proper method for installation floor covering with mastic.
- 04.0 DEMONSTRATE SKETCHING, MEASURING, AND DRAWING PROFICIENCY--The student will be able to:
- 04.01 Measure an area and complete floor covering requirements.
 - 04.02 Perform an installation survey to develop sketches and notes for sequence of installation.
- 05.0 DEMONSTRATION KNOWLEDGE OF MATERIAL AND COST ESTIMATES--The student will be able to:
- 05.01 Solve material and cost estimating problems.
 - 05.02 Maintain service, installation and time records.
 - 05.03 Write a field report on an apparent faulty product.
- 06.0 DEMONSTRATE KNOWLEDGE OF CURRENT INDUSTRY STANDARDS PRACTICES AND TECHNIQUES--The student will be able to:
- 06.01 Demonstrate understanding of carpet laying terminology.
 - 06.02 Explain the importance of good customer relations.
 - 06.03 Explain the new trends in the use of floor covering materials.
- 07.0 DEMONSTRATE APPROPRIATE COMMUNICATION SKILLS--The student will be able to:
- 07.01 Write logical and understandable statements, or phrases, to accurately fill out forms/invoices commonly used in business and industry.
 - 07.02 Read and understand graphs, charts, diagrams, and tables commonly used in this industry/occupation area.
 - 07.03 Read and follow written and oral instructions.
 - 07.04 Answer and ask questions coherently and concisely.

- 07.05 Read critically by recognizing assumptions and implications and by evaluating ideas.
- 07.06 Demonstrate appropriate telephone/communication skills.
- 08.0 DEMONSTRATE APPROPRIATE MATH SKILLS--The student will be able to:
 - 08.01 Solve problems for volume, weight, area, circumference and perimeter measurements for rectangles, squares, and cylinders.
 - 08.02 Measure tolerance(s) on horizontal and vertical surfaces using millimeters, centimeters, feet and inches.
 - 08.03 Add, subtract, multiply and divide using fractions, decimals, and whole numbers.
 - 08.04 Determine the correct purchase price, to include sales tax for a materials list containing a minimum of six items.
 - 08.05 Demonstrate an understanding of federal, state and local taxes and their computation.
- 09.0 DEMONSTRATE APPROPRIATE UNDERSTANDING OF BASIC SCIENCE--The student will be able to:
 - 09.01 Understand molecular action as a result of temperature extremes, chemical reaction, and moisture content.
 - 09.02 Draw conclusions or make inferences from data.
 - 09.03 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.
 - 09.04 Understand pressure measurement in terms of P.S.I., inches of mercury, and K.P.A.
- 10.0 DEMONSTRATE EMPLOYABILITY SKILLS--The student will be able to:
 - 10.01 Conduct a job search.
 - 10.02 Secure information about a job.
 - 10.03 Identify documents, which may be required when applying for a job interview.
 - 10.04 Complete a job application form correctly.
 - 10.05 Demonstrate competence in job interview techniques.
 - 10.06 Identify or demonstrate appropriate responses to criticism from employer, supervisor or other employees.
 - 10.07 Identify acceptable work habits.
 - 10.08 Demonstrate knowledge of how to make job changes appropriately.
 - 10.09 Demonstrate acceptable employee health habits.
 - 10.10 Demonstrate knowledge of the "Florida Right-To-Know Law" as recorded in Florida Statutes Chapter 442.
- 11.0 DEMONSTRATE AN UNDERSTANDING OF ENTREPRENEURSHIP--The student will be able to:
 - 11.01 Define entrepreneurship.
 - 11.02 Describe the importance of entrepreneurship to the American economy.
 - 11.03 List the advantages and disadvantages of business ownership.
 - 11.04 Identify the risks involved in ownership of a business.
 - 11.05 Identify the necessary personal characteristics of a successful entrepreneur.
 - 11.06 Identify the business skills needed to operate a small business efficiently and effectively.

Florida Department of Education
STUDENT PERFORMANCE STANDARDS

Course Number: 8721410
Course Title: Floor Covering Installation 1
Course Credit: 1

COURSE DESCRIPTION:

This course is designed to provide instruction in the proper, safe use and care of hand and power tools related to floor covering trades. Installation of Mastic Applied floor covering is included.

01.0 DEMONSTRATE SAFE AND EFFICIENT WORK PRACTICES--The student will be able to:

- 01.01 Identify commonly used tools and safety practices.
- 01.02 Demonstrate proper methods of lifting and carrying.
- 01.03 Explain safety rules to be followed at all times.

03.0 SELECT, CARE FOR AND USE TOOLS AND MATERIALS--The student will be able to:

- 03.01 Demonstrate use of cutting and seaming tools.
- 03.02 Demonstrate use of carpet installation tools.
- 03.03 Demonstrate the proper method for installation floor covering with mastic.

07.0 DEMONSTRATE APPROPRIATE COMMUNICATION SKILLS--The student will be able to:

- 07.01 Write logical and understandable statements, or phrases, to accurately fill out forms/invoices commonly used in business and industry.
- 07.02 Read and understand graphs, charts, diagrams, and tables commonly used in this industry/occupation area.
- 07.03 Read and follow written and oral instructions.
- 07.04 Answer and ask questions coherently and concisely.
- 07.05 Read critically by recognizing assumptions and implications and by evaluating ideas.
- 07.06 Demonstrate appropriate telephone/communication skills.

09.0 DEMONSTRATE APPROPRIATE UNDERSTANDING OF BASIC SCIENCE--The student will be able to:

- 09.01 Understand molecular action as a result of temperature extremes, chemical reaction, and moisture content.
- 09.02 Draw conclusions or make inferences from data.
- 09.03 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.
- 09.04 Understand pressure measurement in terms of P.S.I., inches of mercury, and K.P.A.

July 2001

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STUDENT PERFORMANCE STANDARDS

Course Number: 8721420
Course Title: Floor Covering Installation 2
Course Credit: 1

COURSE DESCRIPTION:

This course is designed to provide instruction in the identification of commonly used symbols and determining area from dimensions given on blueprints, carpet laying terminology, trends in floor covering and customer relations.

02.0 INTERPRET BLUEPRINTS AND SPECIFICATIONS--The student will be able to:

- 02.01 Identify commonly used symbols.
- 02.02 Determine area from dimensions given on prints.

06.0 DEMONSTRATE KNOWLEDGE OF CURRENT INDUSTRY STANDARDS PRACTICES AND TECHNIQUES--The student will be able to:

- 06.01 Demonstrate understanding of carpet laying terminology.
- 06.02 Explain the importance of good customer relations.
- 06.03 Explain the new trends in the used of floor covering materials.

08.0 DEMONSTRATE APPROPRIATE MATH SKILLS--The student will be able to:

- 08.01 Solve problems for volume, weight, area, circumference and perimeter measurements for rectangles, squares, and cylinders.
- 08.02 Measure tolerance(s) on horizontal and vertical surfaces using millimeters, centimeters, feet and inches.
- 08.03 Add, subtract, multiply and divide using fractions, decimals, and whole numbers.
- 08.04 Determine the correct purchase price, to include sales tax for a materials list containing a minimum of six items.
- 08.05 Demonstrate an understanding of federal, state and local taxes and their computation.

Florida Department of Education
STUDENT PERFORMANCE STANDARDS

Course Number: 8721430
Course Title: Floor Covering Installation 3
Course Credit: 1

COURSE DESCRIPTION:

This course is designed to provide instruction in material and cost estimates, develop job sketches and drawings, service, installation and time records.

04.0 DEMONSTRATE SKETCHING, MEASURING, AND DRAWING PROFICIENCY--The student will be able to:

- 04.01 Measure an area and complete floor covering requirements.
- 04.02 Perform an installation survey to develop sketches and notes for sequence of installation.

05.0 DEMONSTRATION KNOWLEDGE OF MATERIAL AND COST ESTIMATES--The student will be able to:

- 05.01 Solve material and cost estimating problems.
- 05.02 Maintain service, installation and time records.
- 05.03 Write a field report on an apparent faulty product.

10.0 DEMONSTRATE EMPLOYABILITY SKILLS--The student will be able to:

- 10.01 Conduct a job search.
- 10.02 Secure information about a job.
- 10.03 Identify documents, which may be required when applying for a job interview.
- 10.04 Complete a job application form correctly.
- 10.05 Demonstrate competence in job interview techniques.
- 10.06 Identify or demonstrate appropriate responses to criticism from employer, supervisor or other employees.
- 10.07 Identify acceptable work habits.
- 10.08 Demonstrate knowledge of how to make job changes appropriately.
- 10.09 Demonstrate acceptable employee health habits.
- 10.10 Demonstrate knowledge of the "Florida Right-To-Know Law" as recorded in Florida Statutes Chapter 442.

11.0 DEMONSTRATE AN UNDERSTANDING OF ENTREPRENEURSHIP--The student will be able to:

- 11.01 Define entrepreneurship.
- 11.02 Describe the importance of entrepreneurship to the American economy.
- 11.03 List the advantages and disadvantages of business ownership.
- 11.04 Identify the risks involved in ownership of a business.
- 11.05 Identify the necessary personal characteristics of a successful entrepreneur.
- 11.06 Identify the business skills needed to operate a small business efficiently and effectively.