

July 2006

**Florida Department of Education
CURRICULUM FRAMEWORK**

Program Title: Stage Technology
Occupational Area: Industrial Education

PSV

CIP Number 0650.999902
Grade Level College Credits
Length College Credit Certificate – 17 Credits

- I. **MAJOR CONCEPTS/CONTENT:** The purpose of this program is to prepare students for employment as theater and entertainment technicians (962.684-014), lighting equipment operators (962.381-014), stage hands (962.167-014), or to provide supplemental training for persons previously or currently employed in these occupations.

The content includes, but is not limited to, communication skills, safe and efficient work practices, training in stage craft, theatrical lighting and sound, and equipment maintenance.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Theater & Entertainment industry: planning, technical and product skills, underlying principles of technology, labor issues, health, safety, and environmental issues.

- II. **LABORATORY ACTIVITIES:** Shop or laboratory activities are an integral part of this program and provide instruction in stage lighting, sound, scenery construction, equipment maintenance and theatrical performance.
- III. **SPECIAL NOTE:** The Vocational Industrial Clubs of America, Inc., is the appropriate vocational student organization for providing leadership training and for reinforcing specific vocational skills. Vocational Student Organizations, when provided, shall be an integral part of the vocational instructional program, and the activities of such organizations are defined as part of the curriculum in accordance with Rule 6A-6.064, FAC.

The cooperative method of instruction is appropriate for this program. Whenever the cooperative method is offered, the following is required for each student: a training agreement, a training plan signed by the student, teacher and employer, including instructional objectives and a list of on-the-job and in-school learning experiences and a work station which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal. The student must be paid for work performed.

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.

The typical length of this program for the average achieving student is 17 credits - College Credit Certificate.

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

- 01.0 Construct and install scenery to the specifications required in a scene design.
- 02.0 Perform the duties of a stage hand.
- 03.0 Install and operate sound equipment for performance.
- 04.0 Hang, circuit and focus stage lights to the specifications required in a lighting design.
- 05.0 Perform the duties of a light board operator and follow spot operator..
- 06.0 Function as part of a technical team in planning, implementing, and running the technical aspects of theatrical/entertainment productions.

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Secondary Number:
Postsecondary Number: 0650.999902

01.0 CONSTRUCT AND INSTALL SCENERY TO THE SPECIFICATIONS
REQUIRED IN A SCENE DESIGN--The student will be able to:

- 01.1 Use hand and power tools commonly found in scene shops.
- 01.2 Choose the appropriate materials and hardware for scenic construction.
- 01.3 Construct common two-dimensional scenery.
- 01.4 Construct common three-dimensional scenery.
- 01.5 Demonstrate application techniques used in painting scenery.
- 01.6 Construct properties and mechanical special effects.

02.0 PERFORM THE DUTIES OF A STAGE HAND--The student will be able to:

- 02.1 Operate equipment commonly found in performance venues.
- 02.2 Determine methods for scenery repair within a limited time frame.
- 02.3 Assume crew chief responsibilities.
- 02.4 Perform all duties in a disciplined manner as required by the demands of performance.

03.0 INSTALL AND OPERATE SOUND EQUIPMENT FOR PERFORMANCE-- The student will be able to:

- 03.1 Identify sound equipment used in productions.
- 03.2 Assemble various components to develop an audio recording or reinforcement system.
- 03.3 Install a sound system resulting in optimal performance and safety of the equipment.
- 03.4 Operate sound equipment in both record and playback mode.

04.0 HANG, CIRCUIT AND FOCUS STAGE LIGHTS TO THE SPECIFICATIONS

REQUIRED IN A LIGHTING DESIGN--The student will be able to:

- 04.1 Read a standard lighting plot
 - 04.2 Read a standard instrument schedule.
 - 04.3 Identify stage lighting equipment.
 - 04.4 Hang and circuit lights for a stage production.
 - 04.5 Focus lights for a stage production.
- 05.0 **PERFORM THE DUTIES OF A LIGHT BOARD OPERATOR AND FOLLOW SPOT OPERATOR**--The student will be able to:
- 05.1 Program and execute cues on a computerized lighting console in both rehearsal and performance.
 - 05.2 Execute cues using a follow spot in rehearsal and performance.
- 06.0 **FUNCTION AS PART OF A TECHNICAL TEAM IN PLANNING, IMPLEMENTING AND RUNNING THE TECHNICAL ASPECTS OF THEATRICAL/ENTERTAINMENT PRODUCTIONS**--The student will be able to:
- 06.1 Perform as a member of a technical team within the framework of an organized production.
 - 06.2 Schedule job assignments in order to meet production deadlines.
 - 06.3 Apply accepted principles of theater technology to production situations.
 - 06.4 Adapt learned skills and generate new approaches in order to solve unique production problems.