

HIGH SCHOOL TECHNOLOGY SYSTEMS, DRAFTING - AUTO CAD DESIGN

New Construction

I. PROGRAM PHILOSOPHY

In recent years, applications of science and technology in the workplace have expanded rapidly, increasing the need for higher levels of education and training required of workers. The new technologies require well-educated workers to carry out both standardized and specialized procedures, and whose educational foundation has given them the capacity to keep pace with increasing technology demands.

Technology Education addresses the needs of students considering a technical career choice. This special program is designed to provide education that is realistic in making informed career choices and learning the fundamentals within the scope of that career choice. In addition, this program will prepare students for the next educational step to gain higher-level technical skills.

II. PROGRAM GOALS

Career Exploration

Scans Competency Skill Building

Core Technical Competency in communications, television production and related digital systems.

III. PROGRAM ACTIVITIES

Level One involves career exploration and investigation in one or more career paths. This activity culminates in some level of career decision making.

Level Two involves team building and basic life-skill training. This will include scans competencies and related behaviors considered applicable to the students chosen career field.

Level Three involves basic technical skills training. Skills identified by industry partners as being the entry-level skills necessary for getting and holding a job will be taught. Successful completers will receive industry recognition and certification.

Level Four may include Cooperative Education or school-based industries. Students may elect to work part-time while completing high school, or participate in a classroom business as a part of the capstone activities of this program.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher – Student Ratio:	1:25
Student Capacity per Period:	25
Total Number of Teachers:	1
Total Number of Aides:	(If Applicable):
Grade Levels or Age Levels for Which Program is intended:	9, 10, 11 and 12
Hours per Day Space Will be used:	All Day

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V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

NA

VI. SQUARE FOOTAGE CHANGES EXPLANATION THAT VARIES FROM APPROVED FACILITIES LIST

NA

VIII. PROGRAM FURNITURE AND EQUIPMENT REQUEST FORM

*Shown on drawings

purchased and installed by contractor

<u>Space or Area</u>	<u>Number of items</u>	<u>Description of Furniture/Equipment Needed</u>
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AUTO CAD TECHNOLOGY LAB

25	24" x 48" Tables
25	Adjustable Posture Chairs on Casters
1	Electric Pencil Sharpener
*25	Computers (students)
*1	Computer (teacher)
*1	Interactive attached projector
1	Sound enhancement equipment system including amplifiers, speakers, and microphones
*2	Large Format Scanners/Printers
1	Teacher chair
*1	Four-Drawer File Cabinet Lockable
2	Printers
1	Pencil Sharpener
1	Video Camera
1	Wastebasket

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IX. SPECIAL CONSIDERATIONS

- Built-in Cabinetry

A. Casework will be identified during design

B. Build-in Instructional Aids

General Laboratory and/or Classroom (Each Laboratory or Classroom)

One 4 ft. x 16 ft. magnetic markerboard, one 4 ft. x 4 ft. tackboard.

Standard markerboards are to have eraser tray, flag holder and demountable map railing. An interactive projector, in the center of the markerboard.

Provide wheeled cabinet with doors for sound enhancement equipment and amplifier. Cabinet and equipment shall be located at, or adjacent to, the major teaching wall with tethered wiring harnesses. Equipment purchased with Furniture, Fixtures, Equipment & Technology (FFE&T) funds.

The back of the cabinet must allow connections of white speaker wire for the four speakers used with sound enhancement equipment, a network connection, connection to interactive projector and power.

16 Linear Feet of Tackboard (if possible)

- Other Considerations

One (84" high x 48" wide x 18" deep) tall storage cabinet, purchased with Furniture, Fixtures and Equipment (FF&E) funding