

HIGH SCHOOL SKILLS LABORATORY (COMPUTER)

New Construction

I. PROGRAM PHILOSOPHY

Skills Labs are classrooms with specialized equipment, otherwise known as computer labs. Skill Labs may also serve as assessment labs rather than computer classrooms. Teaching goals shall extend opportunities to the students for improvement of self concepts through successful learning experiences.

II. PROGRAM GOALS

The activities for the programs are lecture/listening, discussion, audio-visual presentations, research, independent or group projects and presentations, reading, speaking, and writing. Provide experiences and opportunities for students to develop skills in critical thinking, deductive and inductive reasoning, and in problem solving. A District Standard shall determine the number of assessment labs and their wired or wireless status. Skills Development labs shall be used for the above activities and experiences when not needed for local or state assessments.

III. ORGANIZATIONAL NOMENCLATURE

Teacher – Student Ratio: 1:25

Student Capacity per Period: 50

Total No. of Teachers: 2

Total No. of Aides: 0

Grade Levels or Age Levels for Which Program is intended: 9, 10, 11, and 12

Hours per Day Space Will Be Used: 6

IV. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

None

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

NA

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VI. PROGRAM FURNITURE AND EQUIPMENT REQUEST FORM

* Shown on drawings

purchased and installed by contractor

| Space or Area | Number of Items | Description of Furniture/Equipment |
|---------------|-----------------|------------------------------------------------------------------------------------|
| LAB | | |
| | *17 | Computer Lab Workstations 5' x 4' |
| | *2 | 6' x 30" Tables |
| | 12 | Stackable Chairs at Tables |
| | 25 | Stackable Chairs at Workstations |
| | *1 | Interactive projector |
| | 25 | Computers (students) |
| | *1 | Computer (teacher) |
| | 1 | Teacher Chair |
| | *1 | Four-Drawer File Cabinet Lockable |
| | 2 | Printers |
| | 1 | Sound enhancement equipment system including amplifiers, speakers, and microphones |
| | 1 | Pencil Sharpener |
| | 1 | Video Camera |
| | 1 | Wastebasket |
| | *1 | Teacher Desk with One Lockable Drawer |

VII. SPECIAL CONSIDERATIONS

- Acoustics

All classrooms and student-occupied spaces shall have the transfer of noise limited so that the educational process will not be affected.

- Windows

Observation windows should provide easy visibility for monitoring the activities in the lab. Window sill height should be 42"-44" above the finished floor.

- Doors

Doors opening into classroom shall be recessed.

Lockable doors in each classroom and teacher planning room.

Windows in doors to teacher planning spaces.

- Plumbing

All drinking fountains inside buildings shall be electric water-coolers providing chilled water.

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VII. SPECIAL CONSIDERATIONS (continued)

- Communications

Provide wireless distribution and video over IP broadcast system technology throughout the new construction at the school. Short throw PLC projectors will be used in the classrooms along with interactive boards. Television and coaxial cable will not be used.

Provide one-inch conduit with pull string from a two-gang metal box with single-gang cover plate at teaching wall up to future projector location with extra 10 feet of cable coiled up in ceiling to allow for future ceiling-mounted projector or other visual image projection device.

- Electrical

There should be a main switch to shut down power to all computers.

Power to serve lab effectively: Eight outlets at teacher station, and one quad outlet per two computers.

Surge and spike protection for entire lab.

Dedicated line for file server at teacher station.

- Safety

Fire Extinguisher

Emergency lighting

- Built-in Cabinetry

- A. Built-in cabinets/shelving

One Tall Storage Cabinets 4' x 7' x 24" lockable with adjustable shelves with doors and recessed hinges

- B. Built-in Instructional Aids

Skills Lab Computer

One 4 ft. x 16 ft. magnetic white markerboard, one 4 ft. x 4 ft. tackboard. Standard markerboards are to have eraser tray, flag holder and demountable map railing. Install 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.

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VII. SPECIAL CONSIDERATIONS (continued)

- Other Considerations

Staff restrooms should be adjacent to Teacher Planning, or where required within total school layout.