

HIGH SCHOOL BIO-MEDICAL HEALTH SCIENCE EDUCATION LABORATORY

New Construction

I. PROGRAM PHILOSOPHY

In recent years, applications of science and technology in Health Occupations such as Bio-Medical Health 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 the increasing Bio-Medical technology demands.

Bio-Medical 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 Bio-Medical technical skills.

II. PROGRAM GOALS

The Bio Medical Health Science world as we know it is changing rapidly and students must be prepared with the skills to meet those changes. Technology can be used to improve the teaching and learning process as well as provide students with the skills needed for the changing world of Bio-Medical Health Science.

III. PROGRAM ACTIVITIES

Bio-Medical Health Science Education involves:

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

Level Two 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 Basic technical skills training. Skills identified by Bio-Medical Health Science industry as being the entry-level skills necessary for getting and holding a job will be taught.

IV. ORGANIZATIONAL NOMENCLATURE

| | |
|---|--------------------|
| Teacher - Student Ratio: | 1:25 |
| Student Capacity per Period: | 25 |
| Total Number of Teachers: | |
| Total Number of Aides: | NA (If applicable) |
| Grade Levels or Age Levels for Which Program is intended: | 9 - 12 and Adults |
| Hours per Day Space Will Be Used: | 6 - 10 |

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V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

NA

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

NA

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VII. PROGRAM FURNITURE AND EQUIPMENT REQUEST FORM

*Shown on drawing

purchased and installed by contractor

| <u>Space or Area</u> | <u>Number of Items</u> | <u>Description of Furniture/Equipment Needed</u> |
|----------------------|------------------------|--|
|----------------------|------------------------|--|

BIO MEDICAL HEALTH SCIENCE EDUCATION LABORATORY

| | |
|-------|--|
| 1 Set | Wall-Mounted Bio Medical Health Charts |
| *1 | Teacher's Lectern |
| *13 | Large Library Tables |
| 25 | Adjustable Posture Chairs on Casters |
| 1 | Electric Pencil Sharpener |
| 25 | Computers |
| 4 | Printers |
| 25 | Micro Tables |
| 4 | Printer stands |
| 25 | Book Holders |
| 1 | Computer (Teacher) |
| 1 | Teacher Chair |
| *1 | Interactive projector |
| 1 | Four-Drawer File Cabinet, Lockable |
| 2 | Printers/Plotter |

VIII. SPECIAL CONSIDERATIONS

- Built-in Cabinetry

One (1) Base cabinet with sink, 6' long x 2' wide x 2'-8" high

One (1) Bookshelf, 4' long x 3' wide x 7' high

Built-in Instructional Aids

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

One 4 ft. x 16 ft. magnetic white markerboards and one 4 ft. x 8 ft. tackboards.

Standard markerboards to have eraser tray, flag holder and demountable map railing.

Install an interactive projector in the center of the markerboards.

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 and 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