

EXPLORING TECHNOLOGY

February 3, 2014

I. PROGRAM REQUIREMENTS

Refer to the project-specific Schedule of Spaces for student stations, square footage, and for any requirements that may differ from the prototype requirements listed below:

- 1 Laboratory
- 1 Material Storage Room
- 1 Project Storage Room

II. PROGRAM FURNITURE AND EQUIPMENT

Refer to the Furniture and Equipment List for Owner-provided furniture and equipment.

III. SPECIAL CONSIDERATIONS

1. Heating/Ventilation/Air Conditioning

Standard, in accordance with the General Design Requirements section.

2. Acoustical

Standard, in accordance with the General Design Requirements section.

3. Floor

Provide hard tile or other low maintenance flooring in the project area of the Laboratory and in the Material Storage Room and the Project Storage Room.
Provide carpet tile in the computer area of the Laboratory.

4. Walls

Standard, in accordance with the General Design Requirements section.

5. Ceiling

Provide a 10' high ceiling in the Laboratory.

6. Lighting

Standard, in accordance with the General Design Requirements section.

7. Windows

Standard, in accordance with the General Design Requirements section.

8. Doors

Provide a double door into the Material Storage Room from the Laboratory.

9. Water

Provide one (1) sink with cold water in the Laboratory.

10. Communications

Provide a clock, intercom speaker and intercom handset in the Laboratory.
Provide data and AV connections and associated power outlets in the Laboratory, in accordance with the General Design Requirements section and SDHC standards EXCEPT in lieu of the student computer outlets, provide six (6) quadraplex data outlets with adjacent power outlets in the computer area of the Laboratory, and provide one (1) quadraplex data outlet with adjacent power outlets in the project area of the Laboratory.

11. Electrical

Laboratory

Provide power poles if required, located as directed.

Provide ceiling-mounted drop cord-type outlets, (not the retractable type), at each Owner-provided island workbench.

Provide pedestal-type floor outlets as required to serve freestanding power tools and equipment. Flush-type floor outlets are not to be provided.

Provide a master disconnect switch to shut down all receptacles, located so as to be easily accessible to the teacher. Provide a keyed reset mounted adjacent to the master disconnect switch.

12. Gas and Air

Not applicable

13. Safety

Standard, in accordance with the General Design Requirements section.

14. Fencing

Not applicable

15. Service Drives

Not applicable

16. Parking

Not applicable

17. Contractor-Provided Equipment and Casework

Laboratory

Provide six (6) linear feet of base and wall cabinets, to include the sink and one (1) adjacent bank of lockable graduated drawers, countertop to be 36" above the floor.

Provide one (1) glasses/goggles sanitizing cabinet with 20 safety glasses and 10 goggles, in accordance with SDHC standards.

18. Contractor-Provided Instructional Aids

Laboratory

Provide a 12' wide x 4' high markerboard with a 4' wide x 4' high tackboard on one (1) side, bottom to be mounted 36" above the floor in the computer area.

Provide a secondary 8' wide x 4' high markerboard with a 4' wide x 4' high tackboard in the project area of the Laboratory, bottom to be mounted 36" above the floor.

Install an owner-provided projector and mounting bracket, centered on the wall over the markerboard in the computer area.

19. Other Considerations

The Owner will provide a total of 23 computer workstations in the computer area of the Laboratory. The type of workstation and the configuration will vary depending on the program and the design of the space.

In the project area of the Laboratory (where the power tools are located) the work areas must be properly laid out to allow normal sequence of operations with a minimum of cross traffic. Provide adequate clearances between machines to avoid interference between operators and to allow free flow of traffic and materials.

SPACE RELATIONSHIPS

