

# **EDUCATIONAL SPECIFICATION**

## **CRESTWOOD MIDDLE SCHOOL**

**Addition**

**Grades: 6 – 8**

**Existing Student Stations: 1,113 (excluding modulars)**

**New Student Stations: 660**

**Total Student Stations: 1,773**

**Utilization Factor: 90%**

**FISH Capacity: 1,595**

**Program Capacity: 1,300**



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**June 2006**

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## **INTRODUCTION**

These Educational Specifications are intended for use as a planning guide by architects and others responsible for developing physical facilities in Palm Beach County. The general concept embodied in the specifications is to provide general and adequate details for proposed spaces while leaving ample flexibility for creativity and options in design by the architects.

Philosophy and Goals of the School Board of Palm Beach County are provided as general directions for programs in the School District and are followed by a listing of General Considerations. The facility list is intended to be a summary of the spaces to be provided, but is sufficiently flexible to accommodate design requirements and compatibility with adjacent space.

Specifications for the various program areas include a common listing of informational categories within each of the areas. Specific information relative to each particular area is included under various headings as follows:

- I. Program Philosophy
- II. Program Goals
- III. Program Activities
- IV. Organizational Nomenclature
- V. Innovations, Experimental Ideas, Other Planned Uses
- VI. Justification for Variance from S.R.E.F. Requirements
- VII. Program Facilities List
- VIII. Program Furniture and Equipment
- IX. Special Considerations

The graphic representations of Space Relationships are intended only to establish adjacencies and not to set design. Spaces shall be arranged for the various program areas in a configuration compatible with traffic control, site needs and the following considerations:

1. Facilities shall be as functional as possible; that is, they shall be organized in a manner responsive to educational programming requirements in an orderly economical way.
2. Facilities shall be as responsive as possible to long-term maintenance goals. The architect shall endeavor to produce a product with the lowest possible life cycle cost.
3. Facilities shall be as vandal-resistant as is possible within realistic budget constraints.
4. Facilities shall be as aesthetically pleasing as possible, considering neighborhood, shape, materials, colors, etc.
5. Facilities shall be designed to provide adequate student movement (circulation) without unnecessary waste.
6. Facilities shall be designed to facilitate the inclusion of students with disabilities.

Special attention is directed to planning for community utilization of the plant and campus, maximum energy conservation and capital budget restraints.

## **PHILOSOPHY AND GOALS**

### **I. PROGRAM PHILOSOPHY**

The Board's philosophy is to provide an educational system which is instructionally sound and environmentally stimulating enough to attract and maintain high-quality professional, technical and administrative employees. This system is designed to earn the respect of the Palm Beach County community, the state and the nation.

The Board believes that successful implementation of its philosophy is highly dependent upon a positive, active, working partnership which includes the Board, administrators, teachers, staff, students, parents, community, business and industry. For this reason, the support requirements for this project were developed by a participatory process involving committees of educators, the Department of Secondary and Career Education and various departments of the SDPBC.

### **II. PROGRAM GOALS**

**A. Student Goals** - Students shall acquire, to the extent of their individual physical, mental and emotional capacities, a mastery of the basic skills required in the curriculum.

**1. Communication and Learning Skills** - All students shall be provided an opportunity to do the following:

- a. Develop and apply basic skills in reading, writing, speaking, viewing and listening.
- b. Gain a general education in broader fields of language arts, social studies, science, mathematics, humanities and vocational education.
- c. Develop a desire for learning.
- d. Develop a capacity for self-evaluation and self-direction.
- e. Examine, analyze, evaluate and utilize various kinds of information.

**2. Human Relations** - All students shall be provided an opportunity to do the following:

- a. Develop a pride of accomplishment and a feeling of self-worth.
- b. Learn to respect and get along with people.

3. **Citizenship Education** - All students shall be provided an opportunity to do the following:
  - a. Develop good character and self-respect.
  - b. Be responsible citizens.
  - c. Participate in democratic experiences and processes.
4. **Occupational Interests** - All students shall be provided an opportunity to do the following:
  - a. Develop a positive attitude toward work.
  - b. Develop respect for the dignity of all occupations.
  - c. Acquire information needed for making appropriate job selections.
  - d. Develop the ability to use information as it relates to a particular vocation.
5. **Home and Family Relationships** - All students shall be provided an opportunity to do the following:
  - a. Broaden an appreciation of the family as a social institution and as a basic unit of society.
  - b. Acquire skills and attitudes for management of family resources.
  - c. Acquire and understand the skills of family living.
6. **Mental and Physical Health** - All students shall be provided an opportunity to do the following:
  - a. Develop good health habits and an understanding of the conditions necessary for maintenance of physical and emotional well-being.
  - b. Acquire a knowledge of basic psychological and sociological factors affecting human behavior and mental health.
  - c. Develop competence for adjusting to changes.
  - d. Recognize and work to solve environmental health problems.
7. **Aesthetic and Cultural Appreciation** - All students shall be provided an opportunity to do the following:
  - a. Develop an understanding and appreciation of human achievement in natural sciences, social sciences, humanities and the arts.

- b. Broaden interests and prepare for productive use of leisure time.
- c. Develop skills and creative abilities for self-expression.

8. **Inclusive Education** - All students shall be provided with the following:

- a. Appropriate educational services in the least restrictive environment which will enable them to have full equality of opportunity.
- b. Opportunities to interact academically and socially with students with various abilities and disabilities.
- c. Opportunities to celebrate their differences and unique talents, and.
- d. Access to facilities designed to accommodate their exceptionalities.

**B. Management Goals**

1. **General Management** - The SDPBC shall refine, implement and utilize management practices which will provide the following:

- a. Planning and evaluation programs which will ensure accurate and adequate information for decision-making.
- b. Administrative procedures which ensure that program planning, budgeting and evaluation systems are integrated and cyclical in nature.
- c. Information services that promote timely acquisition of accurate information regarding SBPBC policies, procedures and activities which fulfill the needs of the SDPBC and the public.
- d. Administrative and Instructional support for "school-based management" procedures and techniques.
- e. System-wide support services for functions, processes and programs.
- f. Continuing development, refinement, implementation and evaluation of instructional materials, processes and components of the curriculum.
- g. Flexible organizational structure which clearly defines and delineates authority, responsibility and accountability.
- h. Fiscal integrity in budgeting and business affairs.

2. **Personnel Management** - The SDPBC will develop and maintain the following:

- a. Practices and programs to recruit the best qualified personnel for all positions.

- b. Programs to orient all employees properly to their job responsibilities, operation and organization of their units, and organization of the school system.
- c. Staff Development Programs to update employees in their chosen fields and to enhance their professional and career growth.
- d. Develop programs to teach administrators at all levels how to achieve excellence in managing people, including performance, planning, evaluation and counseling.
- e. A system to identify high potential employees and their readiness status to qualify for higher career positions within the SDPBC.
- f. Practices and programs to attain effective affirmative action.
- g. Practices and systems to establish realistic position descriptions for each level and equitable compensation for those levels.

**FACILITY LIST BY AREAS****Crestwood Middle School****Addition****Grades: 6 – 8****Existing Student Stations: 1,113 (excluding modulars)****New Student Stations: 660****Total Student Stations: 1,773****Utilization Factor: 90%****FISH Capacity: 1,595****Program Capacity: 1,300**

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
ADMINISTRATIVE							
ACADEMIC HOUSES							
301	2	Administrative Office		175	350		
314	2	Itinerant		125	250		
304	2	Reception/Secretary (NSF from General Reception/Secretary & 450 NSF for Secretary)		225	450		
308	2	Storage/Vault (from Administrative Storage & General Reception/Secretary)		150	300		
368	2	Textbook Storage (from Administrative Textbook Storage)		50	100		
315	2	Teacher Planning (from allotment)					
819/820		Restrooms, staff (from allotment)					
		TOTAL			1,450		
CUSTODIAL							
331		Custodial Closets			990		
334	1	Golf Cart Storage (from dining)			300		
		TOTAL			1,290		
EXCEPTIONAL STUDENT EDUCATION							
066	2	Supplementary Instruction with storage folded into room		200	400		
70	2	Office/Testing/Itinerant		200	400		
		Subtotal			800		
065	2	ESE Resource Room with storage folded into room		520	1,040		
		Subtotal			1,040		
817	1	ESE Changing Room/Restroom			150		
308	1	ESE Department Storage			300		
		Subtotal			450		
		TOTAL			2,290		0



Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
GENERAL CLASSROOMS							
002	4	Classroom		900	3,600	22	88
808	4	Material Storage		45	180		
		TOTAL			3,780		88
LANGUAGE ARTS							
002	6	Classroom		900	5,400	22	132
808	6	Material Storage		45	270		
		TOTAL			5,670		132
MATHEMATICS							
002	6	Classroom		900	5,400	22	132
808	6	Material Storage		45	270		
		TOTAL			5,670		132
RESOURCE ROOMS							
040	4	Resource Room with storage folded into room		390	1,560		
		TOTAL			1,560		
RESTROOMS (adjust square footage for FACBC and parity requirements)							
822/823		Public Restrooms			132		
815/816		Student Restrooms			990		
819/820		Staff Restrooms			264		
		TOTAL			1,386		
SCIENCE							
020	6	Science Demonstration/Classroom		900	5,400	22	132
808	6	Material Storage		100	600		
		TOTAL			6,000		132
SKILLS DEVELOPMENT LABORATORY							
011	2	Skills Development Laboratory		900	1,800	22	44
808	2	Material Storage		45	90		
		TOTAL			1,890		44
SOCIAL STUDIES							
002	6	Classroom		900	5,400	22	132
808	6	Material Storage		45	270		
		TOTAL			5,670		132
STUDENT STORAGE (Lockers)							
		Student Personal Storage			330		
		TOTAL			330		

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
TEACHER PLANNING							
315	3	Teacher Planning		600	1,800		
		TOTAL			1,800		

For modernization of existing schools and other schools with a high concentration of special program needs additional teaching spaces may be provided through the use of Resource Rooms and ESE Rooms to meet program capacity per the approval on January 21, 2003 of the Charter District Waiver.

The existing facilities will be analyzed by the project architect to determine appropriate usage of the site and buildings for necessary renovations and remodeling to meet SREF size standards, ADA requirements and other code issues.

## **GENERAL CONSIDERATIONS**

Use the following documents, as a minimum, in facility design, the latest edition of the Florida Building Code (FBC) with latest revisions, the Florida Fire Prevention Code (FFPC), the SDPBC Educational Specification, District Master Specifications (DMS), District Design Criteria (DDC) and State Requirements for Educational Facilities (SREF).

- A. **Security** - The design shall comply with the DDC – Architectural and Civil.
- B. **Flexibility** - Consider flexibility to allow for future program changes and expansions of the school plant.
- C. **Construction Techniques** - Consider fast and economical construction consistent with long-range maintenance and flexibility requirements of a permanent school plant. Refer to DDC - Architectural.
- D. **Heating, Ventilating and Air-Conditioning (HVAC)** – Design the system(s) in accordance with DDC – Mechanical and the related DMS sections in Division 15.
- E. **Plumbing** - Design the system(s) in accordance with DDC – Plumbing and the related DMS sections in Division 15.
- F. **Building Fire Protection** - Design the system(s) in accordance with DDC – Mechanical and the related DMS sections in Division 15.
- G. **Windows** – Provide windows and window treatment in accordance with DDC – Architectural.
- H. **Floors** – Provide floors in accordance with DDC – Architectural.
- I. **Walls** – Provide walls in accordance with DDC – Architectural.
- J. **Roof** - Provide windows in accordance with DDC – Architectural.
- K. **Corridors and Student Commons** - Corridor shall comply with the Florida Building Code, DDC and DMS.
- L. **Sound Treatment** - Acoustically-treated walls and ceilings shall be provided as necessary for the intended use of the space, refer to DDC - Architectural.
- M. **Hot Water** - Hot water shall be provided as indicated and per code, refer to DDC – Mechanical and Plumbing and DMS.
- N. **Lighting** - Classroom lighting shall be controlled with alternate switching of light fixtures. Provide lighting in accordance with DDC – Electrical and DMS.
- O. **Electrical** – Provide Electrical systems in accordance with DDC - Electrical and DMS.
- P. **Student Toilets** - Follow the DDC – Architectural and Plumbing for locating, designing and equipping student toilet facilities.

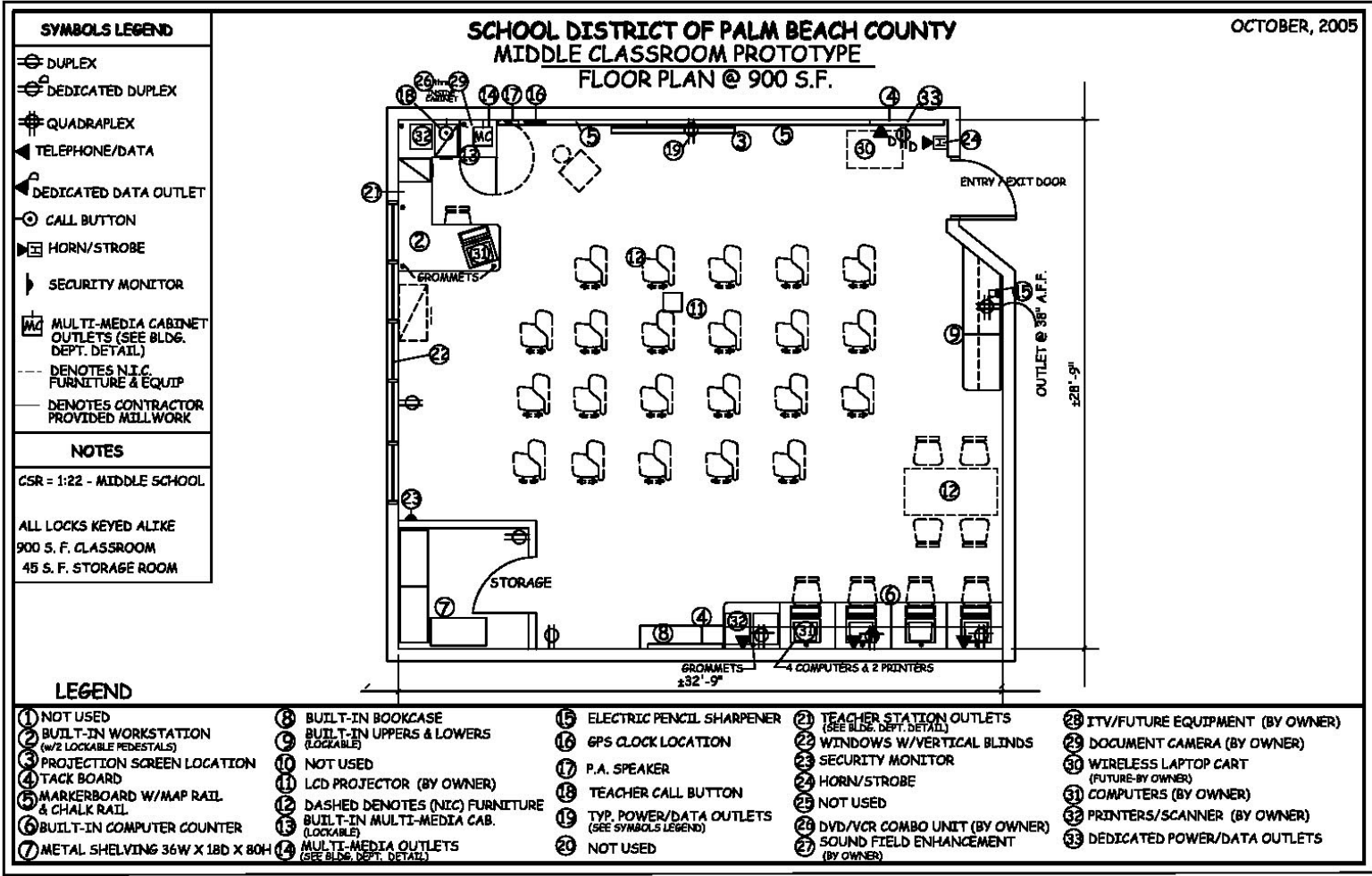
- Q. Entrances** - Entrance shall comply with the requirements if the DDC - Architectural.
- R. Lockers** - Lockers shall be located in air-conditioned corridors. Refer to DMS.
- S. Clock and Bell System** - GPS master satellite clock system (wireless) shall be utilized throughout the facility and provided by the contractor. Bell system shall have automatic and manual operation.
- T. Intercommunications System** - Provide two-way intercom system in accordance with the DDC - Electrical.
- U. Instructional Television System** - Provide ITV system in accordance with the DDC – Electrical and DMS sections in Division 16.
- V. Colors/Finishes** - Harmonizing colors shall be used to enhance the design of the plant. The architect shall submit colors for review and approval by the SDPBC Department of Program Management. The exterior of the buildings shall use a maximum of three (3) different colors and the interior of the buildings shall use a maximum of four (4) different colors with one of the four interior colors serving as the accent color for the instructional space. Exterior materials and coatings shall be graffiti resistant and easily cleaned to the maximum extent practical. The architect shall submit finishing schedules and mill work for review and approval by the SDPBC Department of Program Management.
- W. Display Case** - A built-in recessed display case with tackable backboard shall be located in the entrance foyer, music area and art area and media center. A built-in trophy case with tackable surface shall be located in the gymnasium and auditorium. Provide safety glass. The recessed display case shall be 6'W x 4'H and 36" off the floor.
- X. Communications (Voice and Data)** - Provide Communication systems in accordance with the DDC - Electrical.
- Y. Safety** - Provide safety devices in accordance DDC, DMS and FBC.
- Z. Site Fire Protection** - Refer to DDC, DMS, FBC and FFPC.
- AA. Automobile Parking** - Provide parking in accordance with traffic control section, DDC – Architectural and Civil. Visitor parking shall be provided near the entrance to the administrative suite. .
- AB. Water Outlets** - Provide hose bibb in accordance with the DDC - Plumbing.
- AC. Potable Water** - Systems shall be designed in accordance DDC – Civil and Plumbing.
- AD. Pavement, Site Improvements** - Provide all pavement, markings, signage and other site improvements in accordance with DDC – Civil.

- AE. Sanitary Sewer** - Systems shall be designed in accordance with the DDC –Civil.
- AF. Storm Water Drainage** - Systems shall be designed in accordance with the DDC-Civil.
- AG. Irrigation Water** - Systems shall be designed in accordance with the DDC- Civil.
- AH. Structural** - Systems shall be designed in accordance with the DDC -Structural.
- AI. Bulletin Boards** - In addition to any bulletin boards specified in departmental specifications, the contractor shall provide eight lineal feet of tackboard in the corridor outside each classroom, resource room, music room, art room, career education classrooms, media center and administration. Bulletin (tack) boards shall not be less than 36" vertical measurement.
- AJ. Ceiling Heights** - Ceiling height shall be in accordance with the DDC - Architectural.
- AK. Crowd Control** - The design shall reflect good crowd control. Consideration shall be given to large groups that enter and leave the site at times of public and school events.
- AL. Energy Conservation** - The building and its systems shall be designed in accordance with the DDC - Mechanical:
- AM. Community School** - The general plan and campus design shall be arranged to permit and facilitate use of all appropriate school facilities by community agencies when these spaces are not in use for the regular school program. Community school considerations include ready access from parking lots to all athletic and recreational facilities, meeting rooms, music facilities, media center, cafeteria and community school coordinator's office. Offices(s) shall be located near the parking lot with adequate lighting and natural surveillance.
- AN. Exterior Building Materials** - Major exterior building materials shall be fully documented in the design phase of project development for review and approval by the SDPBC Superintendent or his/her designee. Exterior materials and coatings shall be graffiti resistant and easily cleaned to the maximum extent practical. Refer to the DDC – Architectural.
- AO. Instructional Technology**- Provide conduits, wiring, data outlets and receptacles for computer network requirements. Provide spaces and special air-conditioning for computer- related electronics. Refer to DDC.
- AP. School Site and Play Fields** - The school site and play fields shall be designed in accordance with DDC – Architectural and Civil.
- AQ. Working Heights** - Provide built-in equipment and furnishings in accordance with DDC - Architectural.
- AR. Ventilation** - Design Ventilation system in accordance with the DDC - Mechanical.

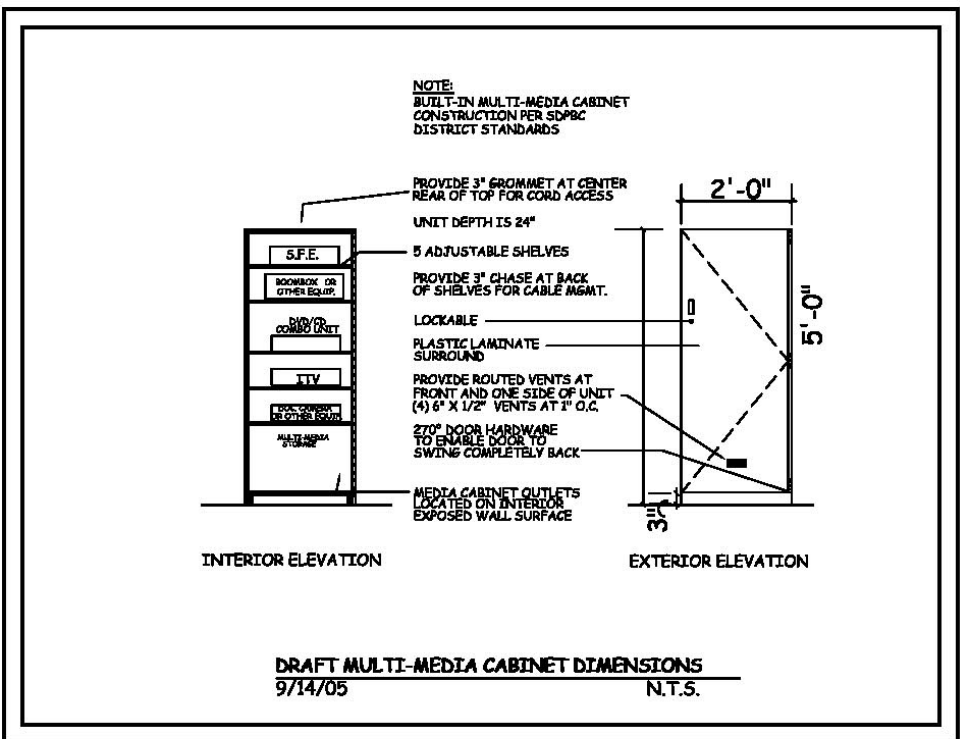
- AS. Program Furniture and Equipment** - Program furniture and equipment list, in this document, is a design guide for determining space requirements and it is not intended to be used as an ordering guide. Use existing furniture and equipment where possible.
- AT. Natural Gas** - Refer to DDC - Plumbing.
- AU. Design Notebooks** - Refer to DDC - Mechanical.
- AV. Communications Room** - Every facility shall have one Communication Equipment Room (CER) and several Communication Closet Rooms (CCR) as necessary to comply with the DDC – Electrical and Mechanical.
- AW.** The Architect/Engineer shall request a clarification from the Senior Project Administrator (SPA) of any conflicts between the Educational Specifications, DDC or DMS.
- AX.** For middle schools, contractor to provide a lighted double sided marquee/school sign, 5’x10’ in size, with adequate electrical service stubbed out for future wireless LED message area upgrades.
- AY.** Refer to the DDC – Electrical and DMS with regards to ceiling projectors raceway system. Contractor to provide ceiling projectors raceway system with all necessary wiring and properly supported projector mounting brackets in all instructional spaces and other designated areas. Obtain the latest detail of installation and specifications from the District’s Network Services Department.
- AZ.** Contractor to provide and install flag pole holders with proper backing in all necessary areas. Contractor to provide and installed AV screens and brackets with proper backing in all necessary areas. Provide proper backing for all mounted equipment where necessary.
- BA.** Each school shall have a lightning detection device system.
- BB.** All built-in counters shall be wire management holes (grommets) to service telephones and computer hook-ups.
- BC.** When possible, the “head-in” equipment shall be located in the production room in the Library Media Center. The equipment should not be located in the control room of the CCTV studio.
- BD.** Schools under modernization and/or comprehensive addition shall have the interior signage comply with the building and room numbering of the School District’s guidelines. Room names and numbers on signage shall be coordinated with SDPBC Interior Design Coordinators.
- BE.** Contractor to provide a 30’ high flagpole with two complete rope systems. The flagpole shall be located near the main office/administration.
- BF.** Refer to the DDC – electrical and DMS with regards to conduit and junction box for

sound field enhancement system and LCD Projector.

- BG.** Classrooms, instructional areas and other designated areas shall be equipped with built-in Multimedia Cabinets, provided by the contractor, to house ITV equipment, DVD/VCR, Sound Field Enhancement, Document Camera and other multimedia equipment. The Multimedia Cabinet shall be 24" w x 24" d x 60" h with a 270° hinged lockable door; open back for access to outlets located on the wall; five (5) adjustable shelves with 3" chase for wire/cord wire management; routed vents at front and one side of unit 4 – 6" x 1/2" vents at 1" O.C. and 3" grommet on top of unit in center of cabinet. (Refer to prototype classroom and prototype Multimedia Cabinet drawings)
- BH.** Classrooms, instructional areas and other designated areas shall be equipped with built-in workstation, provided by the contractor. The workstation shall include a U shape work area with three (3) grommets and two (2) lockable pedestals (box/box/file and file/file). (Refer to prototype classroom drawing)
- BI.** The Beacon Center provides after school programs along with community activities for the surrounding neighborhood. If a school has been identified to operate a Beacon Center, the architect shall provide an administrative office (175 NSF) with data, electric, phone and fax line and a storage room (250 NSF) with data, electric and phone from the overall dining room/multipurpose NSF. Both spaces shall be lockable. The storage room will be used as a storage room and a place to connect and charge the wireless laptop computer cart(s). Both the office and storage room shall be located near the entrance of the school with an entrance that is separate from the main office. The architect shall work with District staff with regards to the placement of the Beacon Center on the plans. The dining room/multipurpose shall be equipped with a wireless computer system.
- BJ.** Each school shall have an Automated External Defibrillator which will be provided by the owner. The location and signage will be determined by the SDPBC Risk Management Department.







**GENERAL SECURITY CONSIDERATIONS**

- A. Meet with SDPBC Department of School Police at first stage, site and building layout development, to discuss project specific security issues.
- B. The area for loading/unloading of students shall be designed for easy supervision with no mixture of pedestrian and vehicles.
- C. Open parking areas shall have good natural surveillance. Provide a fenced staff parking area that can be locked during the day where local conditions warrant.
- D. Site access shall consist of a primary road and secondary access in the event the primary road is blocked.
- E. School sites shall have perimeter security fencing preventing access to walkways and courtyards when facility is not occupied, but allow for public use of exterior athletic facilities. Design exterior doors to prevent unauthorized entry by minimizing key locks and hardware on doors which would not be used for the purpose of essential entry but are installed for emergency egress.
  - 1. Doors which are determined to be essential entry shall be provided with key access and include card access control and hardware as per current SDPBC policy, guidelines and the project specific plan review process.
  - 2. Entire perimeter of site shall be fenced or wall barriered and gated to a minimum height of six (6) feet. Provide the delivery/receiving/service entry gates(s) with electric latching/lock hardware and all associated hardware to allow the control of it from the card access system.
  - 3. Create an interior perimeter barrier so that all open area students and staff commons and their thoroughfares, i.e. courtyards, areas between buildings, portable classrooms, PE fields, etc. are blocked from entering except through an access controlled main public entry. Create a structurally mounted set of metal entry doors in the interior perimeter barrier to become the focal point of all public entry. These doors shall be located in the entry thoroughfare between the visitor parking area and the administration reception area. At the public entry, provide card access, video surveillance; remote intercom and electric controlled lock hardware as per current SDPBC policy, guidelines and the project specific plan review process. All other egress points through this open area interior perimeter barrier shall have the same type of structurally mounted metal entry doors. No fence gates allowed.
- F. Use maze-type of entry system to restrooms where appropriate, i.e., gymnasium. Do not use maze-type of entry for exterior locations.
- G. Bicycle parking compound shall be located in an area with good natural surveillance and have an 8' fence. Provide racks to which bicycles can be locked. Should be visible from office staff or classroom windows.
- H. When designing courtyards, consider physical division of space, i.e. benches, planters,

to avoid congregation of large groups of students and to allow smooth flow of traffic. Position amenities to create multiple access and passageways. Planters shall not be placed in such a way as to allow its contents to block clear vision of common areas and courtyards. Limit the heights of all trees and shrubbery that are planted between the buildings and all thoroughfares, congregate areas, bike and auto parking spaces, courtyards, portables, entry/exit points throughout the interior perimeter barrier, playfields, etc. to not exceed three feet (3'), for a distance of fifty feet (50'). Consideration should be taken when locating landscaping to assure that it will not block lighting.

- I. Locate teacher planning areas throughout the campus to provide supervision for potential problem areas. Acceptable locations are at ends of buildings and center of hallways.
- J. Provide zoned lighting to allow for security during community school activities at night. Consider use of motion detector lights in isolated areas.
- K. Design roofs without obstructions that could conceal persons from view. Roof access shall be properly secured and lockable.
- L. Provide two (2) KNOX box for emergency key access to the site and building(s), one for school police and one for fire department. Coordinate with local fire department and district personnel.

**SITE DEVELOPMENT**

- A. All site plans shall comply with SDPBC **Technical Requirements Manual for Site Plans**.
- B. **Refer to District Design Criteria (DDC).**
- C. A landscaping plan shall contribute to the development of a balanced and harmonious appearance of the educational complex. Landscaping shall be based on surveys of existing plants on the site and a palette of species of plants native to the vicinity. Plantings shall be site specific with special consideration given to minimizing supplemental irrigation systems, energy efficiency and maintainability of the designed vegetation systems, from installation to maturity. Supplemental irrigation systems to be used shall provide for total coverage of landscape areas. Where practical, minimum plant sizes and maximum spacing shall be used. Landscaping shall be in compliance with State Requirements for Educational Facilities Guidelines.

## **TRAFFIC CONTROL**

The following traffic-related activities occur on the school site:

1. Approximately, 15 - 25 school buses will enter and exit the site at the beginning and end of each school day.
2. Approximately, 150 staff will enter and exit the site daily.
3. Service and visitor vehicles will enter and exit the site daily.
4. Private vehicles and spectators attending extra-curricular activities will enter and exit the site periodically.

Proper signage should be included to delineate each area. Signage and bumpers for parking spaces shall be provided by the contractor.

Specific consideration shall be given to the following:

1. Approximately, 160 parking spaces shall be conveniently located for staff, visitors and service personnel. Ten of these to be convenient to the kitchen. Parking locations shall be located on-site and/or off-site.
2. Visitor parking shall be provided near the administrative suite and will naturally lead to the administrative suite reception entry.
3. A fenced parking area with lockable gate for bicycles shall be provided.
4. Student pedestrian traffic to playfields shall not cross any vehicular traffic area.
5. Refer to **District Design Criteria (DDC)**.

**ADMINISTRATIVE/STUDENT SERVICES/GUIDANCE****I. PROGRAM PHILOSOPHY**

Refer to overall.

**II. PROGRAM GOALS**

Refer to overall.

**III. PROGRAM ACTIVITIES**

- A. Student conferences/counseling
- B. Parent conferences/counseling
- C. Secretarial and clerical duties
- D. Bookkeeping duties
- E. Duplicating of materials
- F. Health clinic
- G. Office activity for:
  - 1. Principal
  - 2. Assistant Principal
  - 3. Curriculum Coordinator
  - 4. Assistant Principal for Student Services
  - 5. Counselor (4)
  - 6. Itinerant (2)
- H. Workroom area
- I. Attendance reporting
- J. Storage and filing
- K. Distribution of mail
- L. Intercom center
- M. Data processing

**IV. ORGANIZATIONAL NOMENCLATURE**

N/A

**V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES**

- A. Administrative areas shall be located in academic houses.

**VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)**

- A. Academic Houses shall include the following: Administrative Office, Itinerant, Reception/Secretary, Storage/Vault, Textbook Storage, Teacher Planning and Restroom(s).

**VII. PROGRAM FACILITIES LIST**

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
ADMINISTRATIVE							
ACADEMIC HOUSES							
301	2	Administrative Office		175	350		
314	2	Itinerant		125	350		
304	2	Reception/Secretary (NSF from General Reception/Secretary & 450 NSF for Secretary)		225	450		
308	2	Storage/Vault (from Administrative Storage & General Reception/Secretary)		150	300		
368	2	Textbook Storage (from Administrative Textbook Storage)		50	100		
315	2	Teacher Planning (from allotment)					
819/820		Restrooms, staff (from allotment)					
		TOTAL			1,450		

**VIII. PROGRAM FURNITURE AND EQUIPMENT****A. Administrative Offices**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Desk/workstation with chair
2		X	Side arm chair
1		X	File Cabinet, four drawer, legal, lateral & lockable
1		X	Computer & Printer
1		X	Bookcase
1	X		Tack board, 3' x 4'
1	X		Clock

**B. Itinerant**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Desk/workstation with chair
2		X	Side arm chair
1		X	File Cabinet, four drawer, legal, lateral & lockable
1		X	Computer & Printer
1		X	Bookcase
1		X	Small table for group activities
1	X		Tack board, 3' x 4'
1	X		Clock
	X		Built-ins (refer to special considerations)

**C. Reception/Secretary Area**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
5		X	Chairs for visitors
1		X	End table
1		X	Computer & Printer
1		X	Bookcase
1	X		Recessed Display Case, 6'W x 4'H (located in main and student service reception areas)
1	X		Tack Board, 3' x 4'
1	X		Clock
2		X	Brochures/Magazine racks, wall mounted
	X		Built-ins (refer to special considerations)

**D. Administrative Storage**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Stamp machine
		X	Two-way radios
1		X	Radio charger
2	X		Storage cabinet with shelves
	X		Built-ins (refer to special considerations)
1		X	Barcode reader and scanner for textbooks

**E. Textbook Storage**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Barcode reader and scanner for textbooks
1		X	Computer
1		X	Printer
1	X		Built-ins (refer to special consideration)

**IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED**

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROLS.**

**A. Heating/Cooling/Ventilation** – As required to meet District Standards.

**B. Acoustical** – As required to meet District Standards.

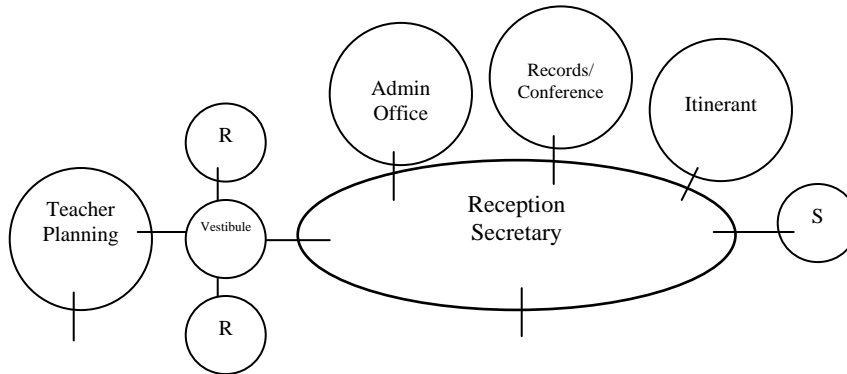
**C. Floor** - As required to meet District Standards.

**D. Walls** - As required to meet District Standards.

**E. Ceiling** - As required to meet District Standards.



- F. **Lighting** – As required to meet District Standards. Provide high quality, fluorescent lighting, with capability of separate switching of rows of lights.
- G. **Windows** – As required to meet District Standards.
- H. **Doors** - As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** – As required to meet District Standards.
- M. **Gas and Air** - N/A
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** - As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards. Parking for administrators, secretarial staff and visitors near administrative offices with easy access at all times during the day.
- R. **Built-ins**
  - 1. **Academic House Reception/Secretary** - Provide reception counter with transaction top and a section to comply with F.A.C.B.C. standards. Provide working counter, 29"-30" h, along reception counter with a minimum of two lockable pedestals and center drawer. The space between working counter and transaction counter shall be 12" clear height to hold notebooks. The reception counter shall have grommets for wire management.
  - 2. **Textbook Storage** – Provide maximum steel shelving with adjustable shelving on all walls. Provide free-standing shelving for center area allowing for adequate passageway.
  - 3. **Administrative Storage** – Provide adjustable shelving, continuous, 18"D on all walls, full height.
- S. **Other Considerations** –
  - 1. Provide electric, phone and data in all rooms (including storage) in each Academic House.

**SPATIAL RELATIONSHIPS****Academic Houses**

R = Restroom

S = Storage

**CUSTODIAL****I. PROGRAM PHILOSOPHY**

Staff and students can expect a clean and healthful environment in which to teach and learn. A properly organized, trained custodial staff has the ability to ensure the sanitation and regular cleaning in any facility, if their cleaning program is supported by the cooperation of the entire staff and student body. Custodians are allocated based on the size of the school (square feet) in sufficient numbers to maintain the cleanliness of the facility. Care must be exercised that cleaning is their primary function. Staff and students help ensure the success of a custodial program by avoiding abuse of the facility. Our investment in school facilities is protected by initial provision and utilization of sufficient effective equipment and personnel.

**II. PROGRAM GOALS**

To provide a safe, sanitary and aesthetically acceptable learning and work environment through proper utilization of human resources, materials, equipment and methods.

**III. PROGRAM ACTIVITIES**

The principal duties of the custodial staff are as follows:

- A. Prepare and maintain adherence to work schedules to ensure regular, daily cleaning of the entire facility.
- B. Maintain personal use facilities (restrooms, water fountains, shower rooms, sinks) in clean and sanitary condition to minimum standards of State Requirements for Educational Facilities (S.R.E.F.) regulations and in accordance with the "Instructional Handbook for Custodians."
- C. Assure that school grounds are kept free of litter and safety hazards.
- D. Report all hazardous conditions immediately.
- E. Observe all safety and fire regulations.
- F. Maintain security of buildings during non-school hours.
- G. Report any items in facility in need of repair.
- H. Maintain custodial equipment so it is clean and usable at all times.
- I. Use only authorized materials, methods and equipment to accomplish program goals.
- J. Maintain inventory of custodial supplies and reorder as necessary for timely replacement.

K. Use all manual, mechanical, electrical, and automatic equipment as directed.

#### IV. ORGANIZATIONAL NOMENCLATURE

Number of custodial staff determined as a function of Budget Department.

#### V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

N/A

#### VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

N/A

#### VII. PROGRAM FACILITIES LIST

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft.	Sq. Ft.	Stu. Sta.	Stu. Stat.
				Per Unit	Total	Unit	Total.
CUSTODIAL							
331		Custodial Closet		990			
334	1	Golf Cart Storage		300			
		TOTAL		1,290			

#### VIII. PROGRAM FURNITURE AND EQUIPMENT

##### A. Service Closet (per closet)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Service sink (HW/CW).
1		X	Service Cart
	X		Built-ins (refer to special considerations)

##### B. Golf Cart Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
3-4		X	Golf Carts, electrical
	X		Built-ins (refer to special considerations)

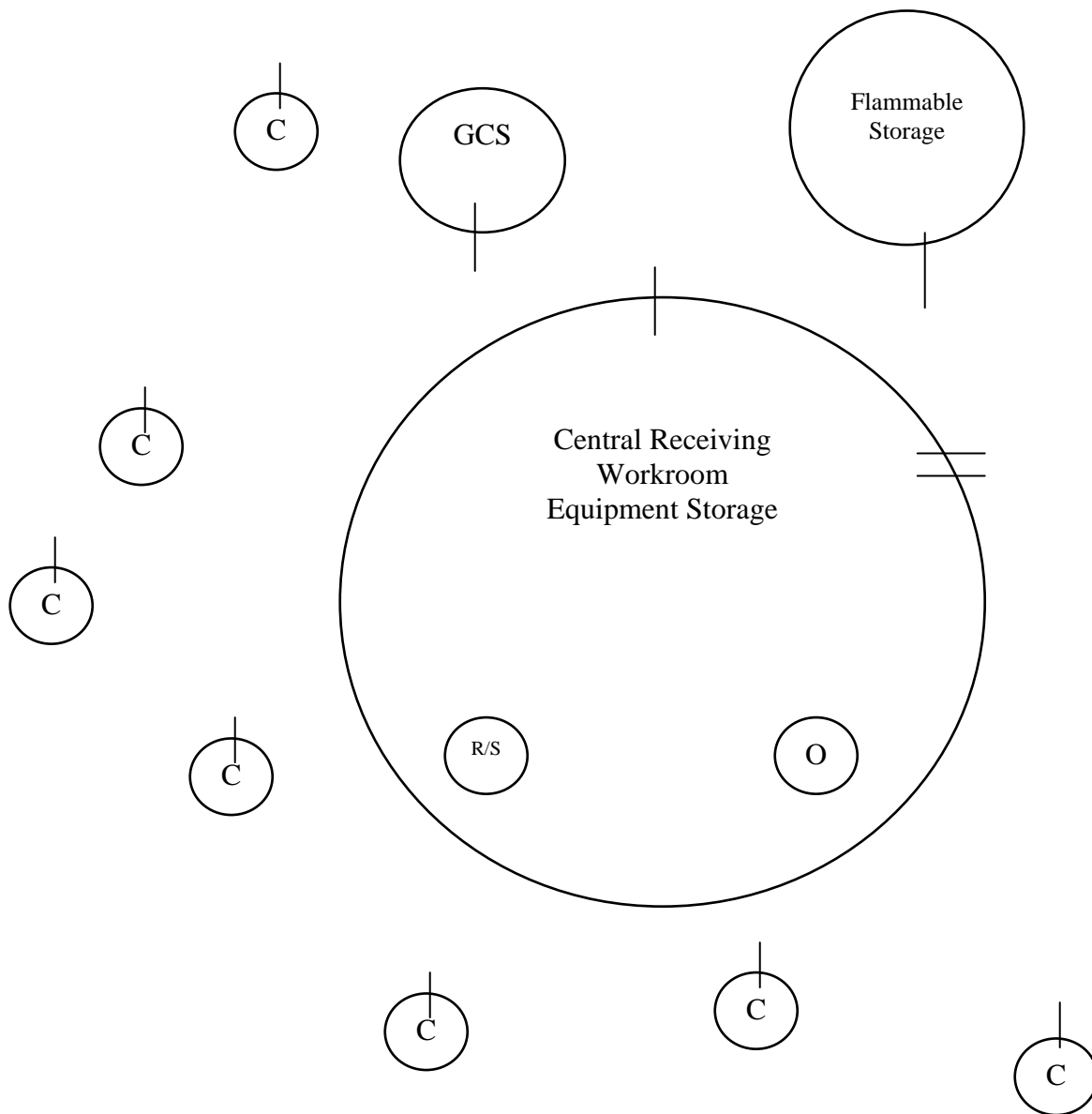
#### IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROLS.

##### A. Heating/Cooling/Ventilation - As required to meet District Standards.

- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards.
- H. **Doors** - As required to meet District Standards. Provide metal door with at least 6' W opening for golf cart storage.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** – As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** - As required to meet District Standards.
- Q. **Parking** - Storage and charging area for battery-powered carts. As required to meet District Standards.
- R. **Built-ins** -
  - 1. **Service Closets** – Provide adjustable, 12"D, steel shelving, on one wall, mid-wall to ceiling.
  - 2. **Golf Cart Storage** – Provide adjustable, 12"D, steel shelving, on one wall, mid-wall to ceiling.
- S. **Other Considerations**

N/A

**SPATIAL RELATIONSHIPS****Custodial**

C = Closets, per SREF

O = Office

R/S = Restrooms, Showers & Lockers

GCS = Golf Cart Storage

## **EXCEPTIONAL STUDENT EDUCATION**

### **I. PROGRAM PHILOSOPHY**

All exceptional students are entitled to receive appropriate educational services in the least restrictive environment which will enable them to have full equality of opportunity. Instructional program must fully meet the educational needs of students to the extent that they require special education to develop their maximum potential.

### **II. PROGRAM GOALS**

Students with special learning differences will be provided educational programs designed to meet their individual needs. Diagnostic evaluation, prescriptive planning and implementation of individual student programs will be provided. Individual Educational Plans (IEP) are implemented in inclusive settings with appropriate support, as long as the IEP team determines that the student can or continues to achieve educational benefit.

### **III. PROGRAM ACTIVITIES**

Students with special learning styles will be provided educational programs designed to meet their individual needs. Individualized and small group instruction will be provided in academic, learning strategies, prevocational/vocational, and daily living skills curriculum areas. Transitional services are provided for the employment bound and college bound students.

#### **A. Specific Activities**

##### **1. Specific Learning Disabilities**

- a. Instruction in basic skills and learning strategies
- b. Functional life skills
- c. Vocational preparation

##### **2. Emotionally Handicapped/Severely Emotionally Handicapped**

- a. Behavior adjustment and group interaction, positive behavior management techniques, and affective curriculum
- b. Academic instruction: remedial, ESE or regular curriculum
- c. Functional life skills
- d. Vocational preparation

##### **3. Educable Mentally Handicapped**

- a. Instruction in basic academic skills, social studies and science
- b. Social/personal skills development
- c. Functional life skills
- d. Vocational preparation
- e. Community referenced based instruction

**4. Physically Impaired/Profoundly Impaired**

- a. Independence in daily living skills
- b. Instruction in academic skills development
- c. Independence in community living skills
- d. Employability skills
- e. Training in assistive technology

**5. Adolescent Language Program (for eligible Language Impaired Students)**

- a. Academic strand-therapeutic language arts within the context of regular curriculum framework
- b. Functional strand-therapeutic language arts within the context of daily living and functional skill curriculum

**6. Hearing Impaired & Visually Impaired**

- a. Instruction in academic skills
- b. Instruction in communication skills
- c. Instruction in life skills
- d. Vocational preparation

**7. Laboratory (Trainable Mentally Handicapped Laboratory)**

- a. Laboratory experiences for all exceptional students in activities including food management and preparation, clothing care and construction, home repairs, basic economics, and agriculture production and processing
- b. Simulated job interviews
- c. Appropriate social skills

**8. Supplementary Instruction**

- a. Individualized or small group therapy
- b. Diagnostic testing
- c. Itinerant instruction (Hearing Impaired, Visually Impaired, Speech Language Impaired)
- d. Psychological evaluations

**9. Resource Room**

- a. Individualized or small group instruction
- b. Reinforce/enrich basic instruction



#### IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio

Self contained Instructional Classrooms: 1:10

Includes Physically Handicapped, Emotionally Handicapped and Trainable Mental Handicapped.

Part-Time Instructional Classrooms: 1:15

Includes Educable Mentally Handicapped, Specific Learning Disability, Hearing/Visually Impaired.

Laboratory: 1:12

Grade Levels for Which Program is Intended: 6-8

#### V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. After school and Adult Education classes specific to each exceptionality, e.g., Emotionally Handicapped - day treatment.
- B. **General Use** - Availability of interactive video with appropriate hook-ups. Access to a computer in each classroom.
- C. **Laboratory** - This area shall be designed as a F.A.C.B.C. model apartment for teaching life skills (Trainable Mentally Handicapped Laboratory). It includes kitchen, laundry and bathroom facilities.
- D. Other instructional uses can be for programs for English for Speakers of Other Languages.

#### VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. ESE classrooms and related spaces shall be disbursed throughout the campus in compliance with the School District inclusion philosophy and can be used as general classrooms for flexibility purposes.
- B. Storage shall be folded into the Resource Rooms to create a larger instructional space.
- C. ESE restroom/changing room with shower, 3' x 5', wheelchair, roll-in capability, toilet, cot and sink in compliance with F.A.C.B.C. shall be provided. Restroom shall be a separate sterile space with private corridor entrance opening to the hallway.
- D. Supplementary Instruction spaces are to be used for Speech, Hearing and Vision Testing and for Crisis Intervention office.
- E. ESE classrooms should be located on the ground floor whenever possible.

**VII. PROGRAM FACILITIES LIST**

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
EXCEPTIONAL STUDENT EDUCATION							
066	2	Supplementary Instruction with storage folded into room		200	400		
70	2	Office/Testing/Itinerant		200	400		
		Subtotal			800		
065	2	ESE Resource Room with storage folded into room		520	1,040		
		Subtotal			1,040		
817	1	ESE Changing Room/Restroom			150		
308	1	ESE Department Storage			300		
		Subtotal			450		
		TOTAL			2,290		

**VIII. PROGRAM FURNITURE AND EQUIPMENT****A. Resource Room**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	File cabinet, four-drawer, vertical or lateral lockable
1-2		X	Activity table
7		X	Chairs, stackable, 17", plastic
2-4		X	Computer desk
2	X		Marker Board, 4' x 8', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		8'w x 6'h video format screen with black masking borders
4		X	Computers
2		X	Printers
1		X	Computer and printer for teacher
1		X	Pencil sharpener, electric
1	X		Clock
1	X		Multimedia Cabinet (refer to general considerations)
1	X		Workstation (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)

**B. Supplementary Instruction Room & Office Testing**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, vertical or lateral, lockable
1-2		X	Activity Table
4		X	Chairs, stackable, 17", plastic
1	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker Board, 4' x 8', with map rails and flag holder
1	X		Tack Board, 4' x 4'
1	X		8'w x 6'h video format screen with black masking borders
1		X	Computers
1		X	Printers
1		X	Pencil sharpener, electric
1	X		Clock
1	X	X	Sound Field Enhancement in Hearing Impaired room
1	X		Multimedia Cabinet (refer to general considerations)
1		X	DVD/VCR Combo
1		X	Bookcase

**C. ESE Restroom/Changing Room**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Cot
1	X		F.A.C.B.C. Shower with no curb and with fold down seat in shower
	X		Built-ins (refer to special considerations)

**IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED**

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

**A. Heating/Cooling/Ventilation** – As required to meet District Standards.

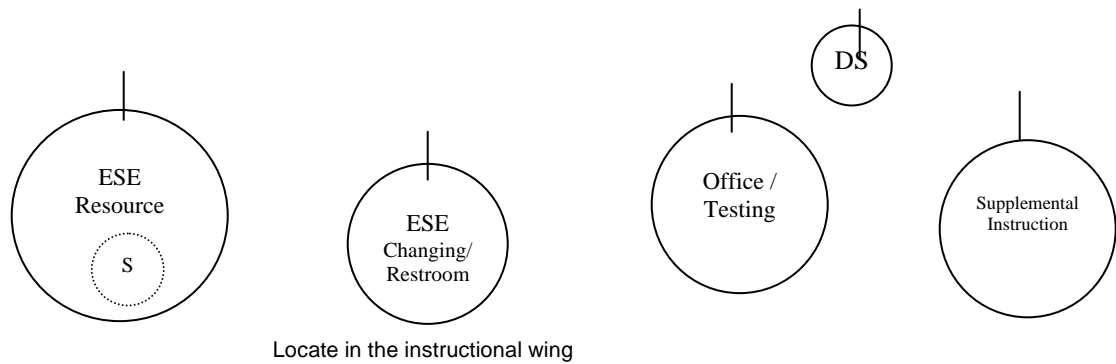
**B. Acoustical** - As required to meet District Standards.

**C. Floor** – As required to meet District Standards.

**D. Walls** - As required to meet District Standards.

**E. Ceiling** - As required to meet District Standards.

- F. **Lighting** – As required to meet District Standards.
- G. **Windows** – As required to meet District Standards.
- H. **Doors** – As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards. Provide a telephone jack and a dedicated line for telecommunication hearing and visually impaired.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** - As required to meet District Standards.
- Q. **Parking** – As required to meet District Standards.
- R. **Built-ins**
  - 1. **ESE Resource Room** - Provide Multimedia cabinet - refer to General Considerations.
  - 2. **ESE Department Storage** - Provide metal adjustable shelving on three walls, floor to ceiling.
  - 3. **ESE Changing Room** - Provide storage cabinet, 24”w x 18”d x 72”h, w/adjustable shelves and lockable doors
- S. **Other Considerations** -
  - 1. The use of observation window(s) in ESE classroom(s) will be reviewed on a school by school basis.
  - 2. The architect shall work with District staff with regards of the placement of ESE classrooms on the floor plan.

**SPATIAL RELATIONSHIPS****Exceptional Student Education**

R/S = Restroom /Shower  
 R = Restroom  
 S = Student Storage  
 DS = Department Storage

Not all spaces are shown

**GENERAL CLASSROOMS****I. PROGRAM PHILOSOPHY**

During the middle school years, the child experiences rapid mental, physical, social and emotional growth. This stage of development demands a flexible program designed to satisfy individual needs. Teaching goals shall extend opportunities to the students for improvement of self-concepts through successful learning experiences.

**II. PROGRAM GOALS**

- A. Provide a broad and flexible program which allows for individual differences.
- B. Provide activities and materials to develop skills conducive to effective performance: listening, speaking, reading, writing, grammar and studying.
- C. Provide experiences and opportunities for children to develop skills in critical thinking, deductive and inductive reasoning, and in problem solving.
- D. Develop creativity, positive attitudes and ideals.
- E. Develop critical thinking skills.

**III. PROGRAM ACTIVITIES**

N/A

**IV. ORGANIZATIONAL NOMENCLATURE**

Teacher - Student Ratio: 1:22

Grade Levels for Which Program is Intended: 6 - 8

**V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES**

N/A

**VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)**

N/A

**VII. PROGRAM FACILITIES LIST**

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
GENERAL CLASSROOMS							
002	4	Classroom		900	3,600	22	88
808	4	Material Storage		45	180		
		TOTAL			3,780		66

**VIII. PROGRAM FURNITURE AND EQUIPMENT****A. Classroom**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
22		X	Student Combo Desk
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
4-10		X	Chairs, stackable, 17", plastic
1		X	Lectern
1		X	Stool
1	X		Marker board, 4' x 16', with map rails and flag holder
3	X		Tack Board, 4' x 4'
1	X		8'w x 6'h video format screen with black masking borders
4		X	Computers
2		X	Printers
1		X	Computer and printer for teacher
1		X	Pencil sharpener, electric
1	X		Clock
1	X		Multimedia Cabinet (refer to general considerations)
1	X		Workstation (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)

**IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED**

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

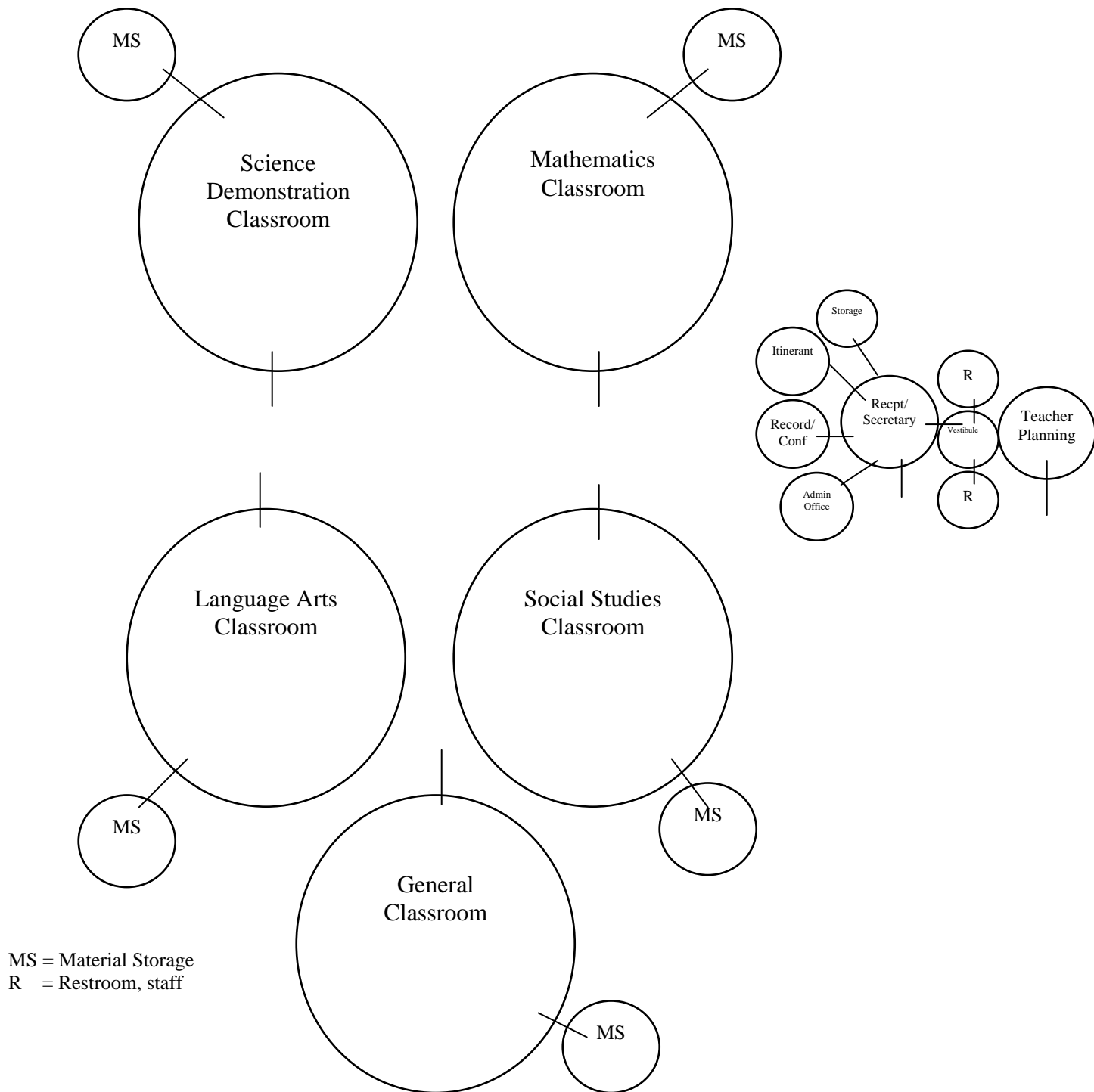
**A. Heating/Cooling/Ventilation** – As required to meet District Standards.

**B. Acoustical** - As required to meet District Standards.

**C. Floor** – As required to meet District Standards.

- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** – As required to meet District Standards.
- G. **Windows** – As required to meet District Standards.
- H. **Doors** – As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instruction Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** – As required to meet District Standards.
- R. **Built-ins**
  - 1. Provide base cabinet with lockable doors and adjustable shelves, and upper cabinets with lockable doors and adjustable shelves.
  - 2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
  - 3. Provide computer counter to accommodate four (4) computers and two (2) printers (14'W x 30"D). The counter shall have grommets for wire management.
  - 4. Provide Multimedia cabinet and workstation - refer to General Considerations.
  - 5. Provide metal shelving (3 – 36"w x 18"d x 80"h) in storage.
- S. **Other Considerations** - N/A



**SPATIAL RELATIONSHIPS****Campus Functional Relationship Diagram  
(Academic Houses)**

## **LANGUAGE ARTS**

### **I. PROGRAM PHILOSOPHY**

The middle school Language Arts program is designed to assist students in achieving the basic communication skills of listening, speaking, reading, writing, grammar and study skills. Through acquisition of the communication skills, students will learn to solve problems, analyze, interpret and communicate information effectively.

During the middle school years, the child experiences rapid mental, physical, social and emotional growth. This stage of development demands a flexible Language Arts program designed to satisfy individual needs. Teaching goals shall extend opportunities to the students for improvement of self-concepts through successful learning experiences.

### **II. PROGRAM GOALS**

- A. Provide a broad and flexible program which allows for individual differences.
- B. Provide activities and materials to develop skills conducive to effective performance in all areas of Language Arts: listening, speaking, reading, writing, grammar and studying.
- C. Provide experiences and opportunities for children to develop skills in critical thinking, deductive and inductive reasoning, and in problem solving.
- D. Develop creativity, positive attitudes and ideals.
- E. Develop critical thinking skills.

### **III. PROGRAM ACTIVITIES**

#### **A. Courses Offered**

- 1. Reading Laboratory
- 2. Reading: remedial, corrective developmental
- 3. English 6: basic, regular, advanced
- 4. English 7: basic, regular, advanced
- 5. English 8: basic, regular, advanced
- 6. Compensatory English
- 7. Gifted English
- 8. Writing Laboratory
- 9. Drama
- 10. Speech
- 11. Journalism

**B. Teacher Activities**

1. Organize for instruction.
2. Keep appropriate record.
3. Confer with parent.
4. Organize and develop Language Arts materials.
5. Participate in school and professional activities.
6. Plan, identify, diagnose, prescribe and counsel, based on individual need.
7. Inform and explain through direct and indirect teaching.

**C. Student Activities**

1. Participate in class activities.
2. Participate in school-related activities.
3. Study independently.
4. Use required materials.
5. Adhere to classroom policy.

**IV. ORGANIZATIONAL NOMENCLATURE**Teacher - Student Ratio 1:22Grade Levels for Which Program is Intended 6 - 8**V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES**

- A. Computer outlets shall be included in all English classrooms for instruction in Computer Literacy and Word Processing.

**VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)**

N/A

**VII. PROGRAM FACILITIES LIST**

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft.	Sq. Ft.	Stu. Sta.	Stu. Stat.
				Per Unit	Total	Unit	Total.
LANGUAGE ARTS							
002	6	Classroom		900	5,400	22	132
808	6	Material Storage		45	270		
		TOTAL			5,670		132

**VIII. PROGRAM FURNITURE AND EQUIPMENT****A. Classroom**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
22		X	Student Combo Desk
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
4-10		X	Chairs, stackable, 17", plastic
1		X	Lectern
1		X	Stool
1	X		Marker board, 4' x 16', with map rails and flag holder
3	X		Tack Board, 4' x 4'
1	X		8'w x 6'h video format screen with black masking borders
4		X	Computers
2		X	Printers
1		X	Computer and printer for teacher
1		X	Pencil sharpener, electric
1	X		Clock
1	X		Multimedia Cabinet (refer to general considerations)
1	X		Workstation (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)

**IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED**

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

**A. Heating/Cooling/Ventilation** - As required to meet District Standards.

**B. Acoustical** - As required to meet District Standards.

**C. Floor** – As required to meet District Standards.

**D. Walls** - As required to meet District Standards.

**E. Ceiling** - As required to meet District Standards.

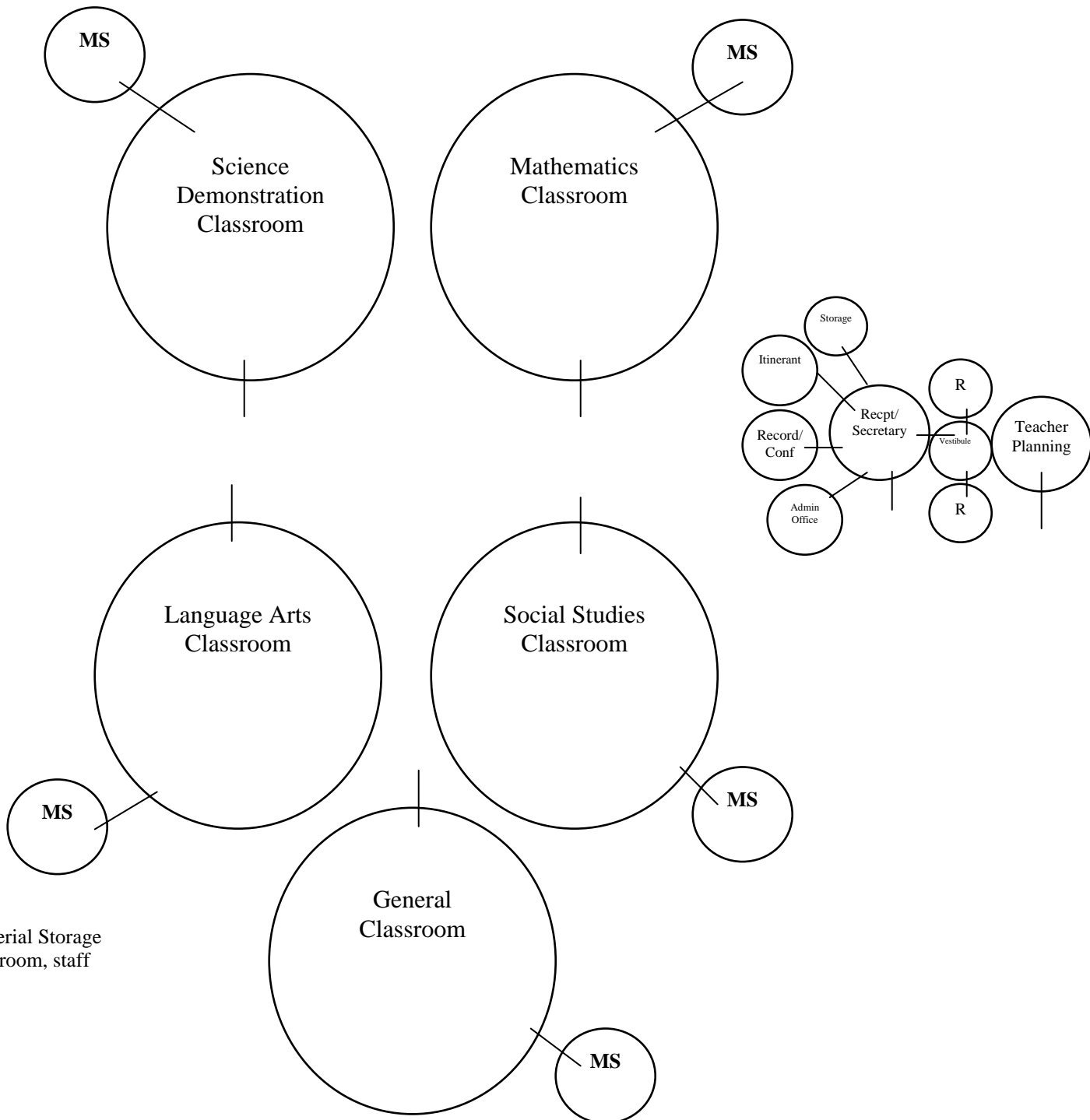
**F. Lighting** – As required to meet District Standards.

**G. Windows** – As required to meet District Standards.

**H. Doors** – As required to meet District Standards.

**I. Water/Plumbing Fixtures** - As required to meet District Standards.

- J. Communications** - As required to meet District Standards.
- K. Electrical** - As required to meet District Standards.
- L. Instruction Technology** - As required to meet District Standards.
- M. Gas and Air** - As required to meet District Standards.
- N. Safety** – As required to meet District Standards.
- O. Fencing** – As required to meet District Standards.
- P. Service Drives** – As required to meet District Standards.
- Q. Parking** – As required to meet District Standards.
- R. Built-ins**
1. Provide base cabinet with lockable doors and adjustable shelves, and upper cabinets with lockable doors and adjustable shelves.
  2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
  3. Provide computer counter to accommodate four (4) computers and two (2) printers (14'W x 30"D). The counter shall have grommets for wire management.
  4. Provide Multimedia cabinet and workstation - refer to General Considerations.
  5. Provide metal shelving (3 – 36"w x 18"d x 80"h) in storage.
- S. Other Considerations** - N/A

**SPATIAL RELATIONSHIPS****Campus Functional Relationship Diagram  
(Academic Houses)**

## **MATHEMATICS**

### **I. PROGRAM PHILOSOPHY**

The complexity of society today demands the diverse abilities of all its members. Therefore, it is imperative that students be helped to develop their unique abilities to their peak potentials by offering courses of Mathematics at each student's ability level.

### **II. PROGRAM GOALS**

- A. Provide students the opportunity to develop competency in the basic skills.
- B. Help students understand the structure of Mathematics.
- C. Provide students an opportunity to understand Mathematics as a means of communicating number ideas.
- D. Provide students the opportunity to develop their reasoning abilities.
- E. Provide students the opportunity to apply Mathematics to other disciplines.
- F. Provide students the opportunity to apply Mathematics to the solutions of real world problems.
- G. Provide students the opportunity to appreciate the role Mathematics has played in the development of civilization.
- H. Provide students the opportunity to develop computer and other technology skills.

### **III. PROGRAM ACTIVITIES**

#### **A. Courses Offered**

- 1. Mathematics 6, Regular and Advanced
- 2. Mathematics 7, Regular and Advanced
- 3. Mathematics 8, Regular and Advanced
- 4. Algebra I, Regular and Honors
- 5. Geometry Honors
- 6. Middle/Jr. High Intensive Mathematics

#### **B. Teacher Activities**

- 1. Utilize lecture/class discussion.
- 2. Use audio-visual aids such as ITV, film, video cassettes, and overhead calculators.
- 3. Demonstrate on marker board, overhead projector and with computer simulation.
- 4. Teach, test, and remedial individuals, small groups and large groups.
- 5. Lead group activities.
- 6. Plan in teams and individually.
- 7. Answer individual student questions.

8. Prepare students local, state, and national mathematics competitions.
9. Confer with individual students.
10. Plan bulletin boards and interest centers.
11. Make recommendations as to selection of materials and equipment.
12. Assist with assembly programs.
13. Sponsor enrichment programs.
14. Help to plan and to lead field trips.
15. Participate in teacher, parent and student conferences.
16. Use manipulatives in the instructional process.
17. Coordinate student use of manipulatives to facilitate the learning process.
18. Provide for cooperative team learning.

### **C. Student Activities**

1. Independent study.
2. Study in cooperative learning groups of two or more.
3. Complete small group assignments.
4. Complete large group assignments.
5. View ITV, videos and overhead calculators in groups and individually.
6. Marker board work.
7. Individual seat work.
8. Listen.
9. Complete homework assignments.
10. Computer work station.

## **IV. ORGANIZATIONAL NOMENCLATURE**

Teacher - Student Ratio 1:22

Grade Levels for Which Program Is Intended 6 - 8

## **V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES**

It is planned that Mathematics departments will institute computer courses as curricular requirements in every school. The addition of these courses will require a computer laboratory with the appropriate hardware and software.

## **VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)**

N/A



**VII. PROGRAM FACILITIES LIST**

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
			MATHEMATICS				
002	6	Classroom		900	5,400	22	132
808	6	Material Storage		45	270		
		TOTAL			5,670		132

**VIII. PROGRAM FURNITURE AND EQUIPMENT****A. Classroom**

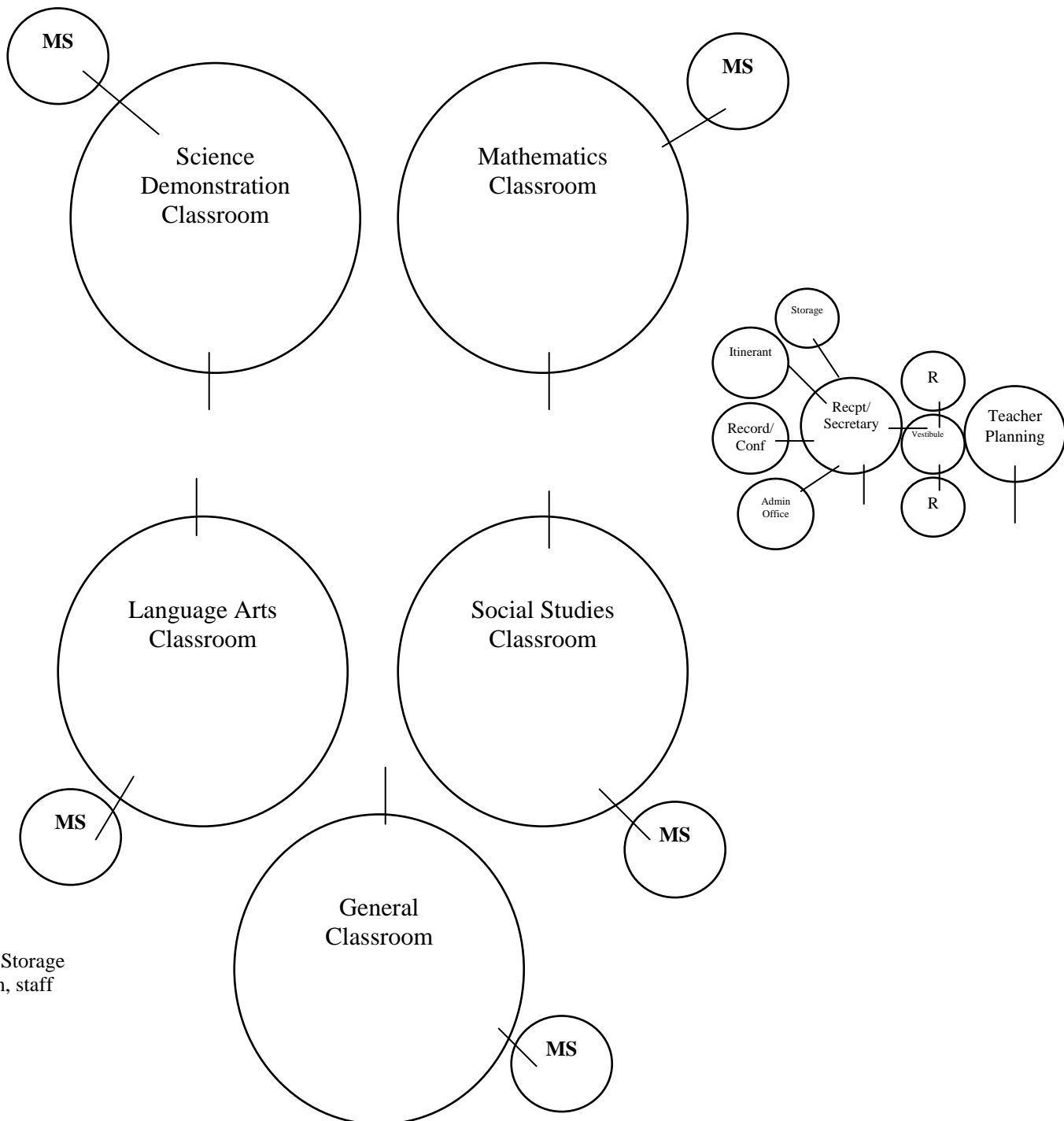
No. of Items	Contractor Provided	District Provided (FF&E)	Description
22		X	Student Combo Desk
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
4-10		X	Chairs, stackable, 17", plastic
1		X	Lectern
1		X	Stool
1	X		Marker board, 4' x 16', with map rails and flag holder
3	X		Tack Board, 4' x 4'
1	X		8'w x 6'h video format screen with black masking borders
4		X	Computers
2		X	Printers
1		X	Computer and printer for teacher
1		X	Pencil sharpener, electric
1	X		Math, Cartesian graph, permanent marker board or roll-up type and circle, similar to map set-ups. If none available, an extra board with a permanent Cartesian graph and circle, 4' x 4'
1	X		Clock
1	X		Multimedia Cabinet (refer to general considerations)
1	X		Workstation (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)

**IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED**

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. Heating/Cooling/Ventilation** - Refer to the HVAC System Design Requirements for the SDPBC for specific requirements.

- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** – As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** – As required to meet District Standards.
- G. **Windows** – As required to meet District Standards.
- H. **Doors** – As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instruction Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** – As required to meet District Standards.
- R. **Built-ins**
  - 1. Provide base cabinet with lockable doors and adjustable shelves, and upper cabinets with lockable doors and adjustable shelves.
  - 2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
  - 3. Provide computer counter to accommodate four (4) computers and two (2) printers (14'W x 30"D). The counter shall have grommets for wire management.
  - 4. Provide Multimedia cabinet and workstation - refer to General Considerations.
  - 5. Provide metal shelving (3 – 36"w x 18"d x 80"h) in storage.
- S. **Other Considerations** - N/A

**SPATIAL RELATIONSHIPS****Campus Functional Relationship Diagram  
(Academic Houses)**

## RESOURCE ROOMS

### I. PROGRAM PHILOSOPHY

All students are entitled to receive appropriate educational services designed to achieve two major objectives: (1) the development of skills and competencies common to all citizens; (2) the development of skills and competencies unique to the students' individual potentialities.

### II. PROGRAM GOALS

Students will be provided educational programs designed to meet their individual needs.

### III. PROGRAM ACTIVITIES

Instruction will be provided in academic, vocational, living skills and enrichment curriculum areas.

### IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:15

Grade Levels For Which Program Is Intended 6 - 8

### V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

N/A

### VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.) - N/A

A. Material Storage shall be combined with Resource Room to create a larger area.

B. Combine two (2) Resource Rooms into one (1) room with two (2) doors and two (2) FISH room numbers.

### VII. PROGRAM FACILITIES LIST

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft.	Sq. Ft.	Stu. Sta.	Stu. Stat.
				Per Unit	Total	Unit	Total.
RESOURCE ROOMS							
040	4	Resource Room with storage folded into room		390	1,560		
		TOTAL			1,560		

**VIII. PROGRAM FURNITURE AND EQUIPMENT****A. Resource Room**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
15		X	Student combo desk
1		X	Stool, 30"
1		X	Table, 30"W x 72"L
2-4		X	Computer table
6		X	Chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
4		X	Computer
2		X	Printer
1		X	Computer and printer for teacher
2	X		Marker Board, 4' x 8', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		8'w x 6'h video format screen with black masking borders
1		X	Pencil sharpener, electric
1	X		Clock
1	X		Multimedia Cabinet (refer to general considerations)
1	X		Workstation (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)

**IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED**

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROLS.**

**A. Heating/Cooling/Ventilation** - As required to meet District Standards.

**B. Acoustical** - As required to meet District Standards.

**C. Floor** – As required to meet District Standards.

**D. Walls** - As required to meet District Standards.

**E. Ceiling** - As required to meet District Standards.

**F. Lighting** – As required to meet District Standards.

**G. Windows** – As required to meet District Standards.

**H. Doors** – As required to meet District Standards.

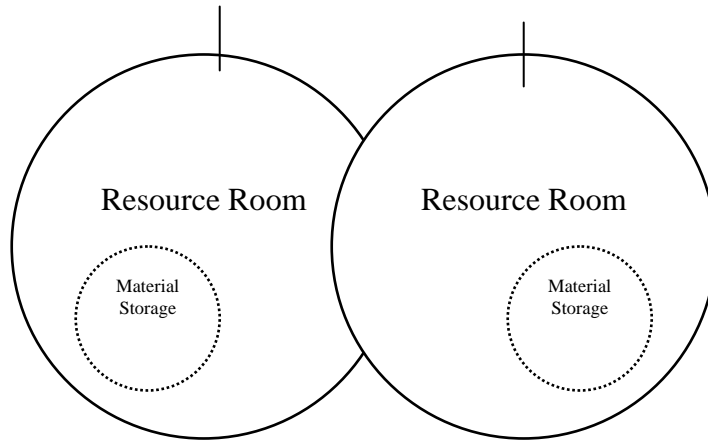
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards.
- R. **Built-ins**
  - 1. Provide base cabinet with lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
  - 2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
  - 3. Provide Multimedia cabinet and workstation - refer to General Considerations.
- S. **Other Considerations** – N/A

## SPATIAL RELATIONSHIPS

DRAFT

JUNE 2006

### Resource Room



Combine 2 Resource Rooms into 1  
space with 2 doors and 2 FISH room  
numbers.

Not all spaces are shown

**RESTROOMS**

Provide public restrooms in gymnasium and administration. Provide restrooms for kitchen staff in kitchen. Provide restrooms for faculty and staff immediately adjacent to staff dining. Provide restrooms in clinic. Provide staff restroom adjacent to teacher planning for shared disciplines. Ceramic tile in toilets shall be floor to ceiling.

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
RESTROOMS (adjust square footage for FACBC and parity requirements)							
822/823		Public Restrooms			132		
815/816		Student Restrooms			990		
819/820		Staff Restrooms			264		
		TOTAL			1,386		

Although square footage allocation is per SREF, accommodations for size of spaces and numbers of spaces must be made for F.A.C.B.C. and parity.



## **SCIENCE**

### **I. PROGRAM PHILOSOPHY**

Middle school Science in Palm Beach County is designed to reinforce skills and learning gained in elementary school and prepare students for high school laboratory Science. The program is transitional in nature, with exploratory activities playing a major role. Middle school students, by their very nature are active and inquisitive, and often learn best by doing "hands on" activities in Science. These activities, however, must be carefully planned and supervised with students working toward mastery of objectives.

### **II. PROGRAM GOALS**

- A. Teach a set of basic scientific concepts in a style compatible with the students' interests and abilities that will provide scientific knowledge necessary for successful involvement in life and future scientific studies.
- B. Allow students to participate in "hands on" Science-related activities and acquire skills of measurement and laboratory procedures for the investigation of scientific problems.
- C. Provide opportunity for students to speak and write in scientific terms and use the basic vocabulary of Science in today's society.

### **III. PROGRAM ACTIVITIES**

Middle school Science includes, but is not limited to, classroom and laboratory activities relating to the structure of matter; interaction of matter and energy; the structure, function and classification of living things; and physical characteristics of the earth. Also, students will be constructing, displaying, and storing science fair projects. Student abilities may range from SLD with varying exceptionalities to those enrolled in gifted classes. Students will manipulate scientific apparatus and materials requiring electrical outlets and a source of water to be located along perimeter counters. Teacher demonstration area will support the student manipulation of apparatus. Outdoor instructional activities will be used for individual students and classes. General laboratory activities will be accomplished in teams of two.

#### **A. Courses Offered**

- 1. General Science
- 2. Physical Science
- 3. Life Science

#### **B. Teacher Activities**

- 1. Plan and direct student activities, individually, and as part of a team.
- 2. Discuss the objectives to be attained, both with students and other teachers.
- 3. Guide students, individually, and in groups.
- 4. Use models, charts, marker board, and tack board as instructional aids.
- 5. Prepare materials for Science activities.

6. Adjust curriculum, instructional techniques and evaluation procedures to accommodate needs of students.
7. Organize and store equipment and supplies.
8. Request equipment and supplies.
9. Inventory equipment and supplies.
10. Diagnose students' needs, and assist students to evaluate their own progress.
11. Plan and direct laboratory activities using chemicals, glassware, heating devices, preserved and live specimens, plants, rocks and minerals.

#### **C. Student Activities**

1. Study independently.
2. Experiment independently at a work table.
3. Listen in a large group lecture situation.
4. Research with reference materials.
5. Communicate findings and ideas to others.
6. View audio-visual presentations.
7. Observe, measure, hypothesize, predict, infer, classify and graph.
8. Read, write and organize ideas.
9. Confer with teacher and guidance personnel.
10. Work on projects individually and with groups.
11. Plan activities with teacher and others.
12. Read and write at student laboratory tables.
13. Provide daily maintenance of plants and animals.

#### **IV. ORGANIZATIONAL NOMENCLATURE**

Teacher - Student Ratio: 1:22

Grade Levels for Which Program is Intended: 6 - 8

#### **V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES**

- A. Community school classes in Science-related interest areas, such as Electricity, Astronomy, Horticulture, etc. Accelerated program for students with interest and ability in Science and related areas. Remedial assistance program, activity-centered and specifically designed for the less able student. Computer Science classes for students and adults will be offered. Increased utilization of instructionally related activities which occur on the school campus (environmental studies, outdoor field studies, community studies).

## VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. One Science Demonstration/Classroom shall be equipped for a Chemistry Demonstration/Classroom.

## VII. PROGRAM FACILITIES LIST

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
SCIENCE							
020	6	Science Demonstration/Classroom		900	5,400	22	132
808	6	Material Storage		100	600		
		TOTAL			6,000		132

## VIII. PROGRAM FURNITURE AND EQUIPMENT

### A. Science Demonstration Room (per classroom)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
25		X	Student desk or 14 tables, 2 students per table
1		X	Teacher desk and chair
1		X	Laboratory Stool, adjustable back
1		X	Table, 30"W x 72"L
30		X	Chair
1		X	File cabinet, four-drawer, legal, lateral, lockable, chemical resistant top
2		X	Laboratory cart, portable
1	X		Permanent Fume Hood in Chemistry Lab
1		X	Safety shield, (explosion shield) portable
1		X	Sterilizer for safety goggles with lamp
1		X	Trash can, 25-gal., non-metal
1		X	Spark-resistant safety can for disposal of flammables
1		X	Dry chemical waste container
16		X	Microscope
40		X	Safety goggle and spill-control pillows
1		X	Sand bucket, 25 pounds
30		X	Student apron
1		X	Teacher Lab coat
1		X	Electronic Scale
1		X	Ultrasonic cleaner
1		X	Microviewers
1		X	Flex Cam
1		X	Triple-beam balance
6-7	X	X	Sinks, stainless steel (with sink covers)
1	X		Safety shower and eye wash
4		X	Computer
2		X	Printer
1		X	Computer and printer for teacher
1	X		Marker Board, 4' x 16', with map rail and flag holder

No. of Items	Contractor Provided	District Provided (FF&E)	Description
3	X		Tack Board, 4' x 4'
1	X		8'w x 6'h video format screen with black masking borders
1		X	Pencil sharpener, electric
	X		Fire extinguishers, per code
1	X		Fire blanket, wall-mounted
1	X		First Aid kit, wall mounted
1	X		Display cabinet, transparent front
1	X		Clock
1	X		Multimedia Cabinet (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)
1	X		Teacher demonstration table (refer to special considerations)

**B. Material Storage (per)**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Glassware drying rack
1		X	Trash can, 25-gal. capacity, non-metal
	X		Smoke detector per codes
1	X		Refrigerator with ice-maker, 22 cu.ft.
1	X		Dishwasher (in 8 <sup>th</sup> grade storage room)
1	X		Exhaust fan
1	X		Double stainless steel sink
1	X		Flammable storage
	X		Built-ins (refer to special considerations)

**IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED**

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating / Cooling / Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** – As required to meet District Standards.

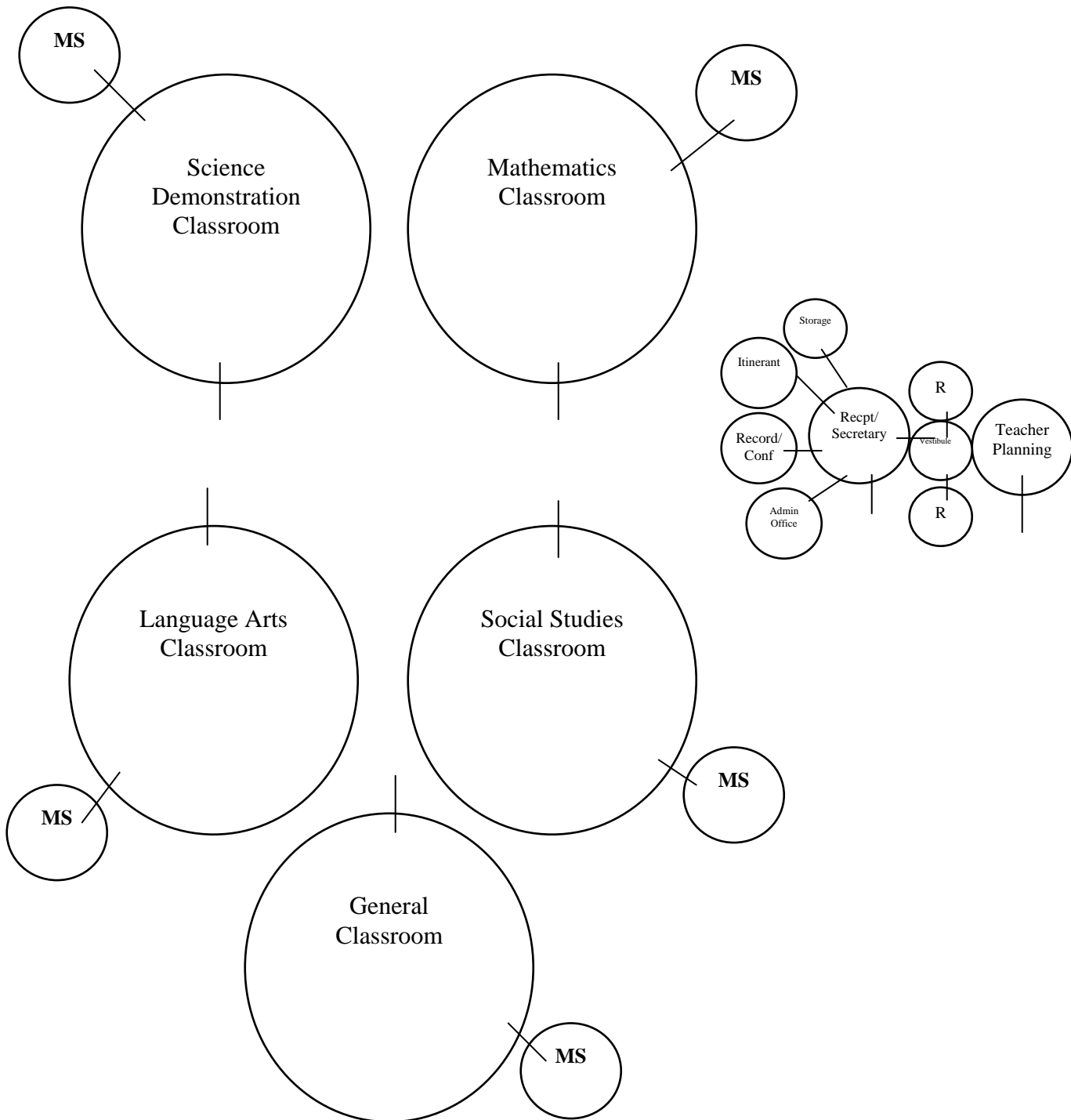
- G. **Window** - As required to meet District Standards. Observation window between material storage and laboratory
- H. **Doors** - As required to meet District Standards. The doors must be lockable in material storage areas with vision panels.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards. Provide master shut-off valve for water.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards. Master shut-off control switch for each demonstration room.
- L. **Instructional Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards. Provide gas and air at teacher station and at student stations in the chemistry laboratory only. Provide master shut-off valves for gas and air.
- N. **Safety** - As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards.
- R. **Built-ins**
  - 1. **Classrooms/Laboratory (per)**
    - a. Provide maximum base cabinets with drawers and adjustable shelves with doors; and upper cabinets with adjustable shelves for microscope storage, etc. Provide sinks (6-7) equally spaced in counter, one for disabled accessible. In the chemistry laboratory, counter top shall be acid-resistant. The student lab areas shall have cold water. The student lab area in chemistry shall also have air.
    - b. Provide teacher demonstration table, 72", permanent, with sink, water, electrical and data connection, gas and air hook-ups in the, with above demonstration mirror. In the chemistry laboratory, counter top shall be acid-resistant.
    - c. Provide computer counter to accommodate four (4) computers and two (2) printers (14'W x 30"D). The counter shall have grommets for wire management.
    - d. Provide Multimedia cabinet - refer to General Considerations.

**2.      Storage Room (per)**

- a.      Provide a counter with double sink in material storage room.
- b.      Provide storage cabinet (3), 36"W x 18"D x 84"H, louvered doors, adjustable shelves, lockable in storage room.
- c.      Provide flammable storage cabinet, built-in vent, lockable.
- d.      Provide maximum metal shelving with adjustable shelves along one long wall.

**S.      Other Considerations**

N/A

**SPATIAL RELATIONSHIPS****Campus Functional Relationship Diagram  
(Academic Houses)**

## **SKILLS DEVELOPMENT LABORATORY**

### **I. PROGRAM PHILOSOPHY**

The study of Computer Science and Foreign Language are vital and necessary disciplines with its own learning procedures and objectives that serve to enrich the lives of students and prepare them to live in the world today.

### **II. PROGRAM GOALS**

The program goals are to develop skills of Language Behavior (Hearing, Speaking, Reading and Writing) and important knowledge of Foreign Language. Students will be provided educational programs designed to meet their individual needs.

### **III. PROGRAM ACTIVITIES**

The class will use district-adopted instructional materials. Slides, maps and pictures will add to the appreciation of programs. Class participation will emphasize listening and speaking in the language. Instruction will be provided in academic, vocational, living skills and enrichment curriculum areas.

The class will continue audio-lingual instruction on a more advanced level. Grammar, composition and conversation will be emphasized. Students will participate in language and computer skills.

### **IV. ORGANIZATIONAL NOMENCLATURE**

Teacher - Student Ratio: 1:22

Grade Levels for Which Program is Intended: 6 - 8

### **V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES**

- A. Laboratory shall have six rectangular tables facing one direction, able to seat five students per table and all students facing one direction. Laboratory shall have tape program with workbooks. Students listen to a pre-recorded tape, then student shall be able to self answer the tape and play back to listen to student's own voice. Pre-recorded tape must not be erasable, but student's voice must be erasable. Teacher shall be connected to the student's stations so teacher can listen to each student individually.

### **VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.) -**

N/A



**VII. PROGRAM FACILITIES LIST**

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
SKILLS DEVELOPMENT LABORATORY							
011	2	Skills Development Laboratory		900	1,800	22	44
808	2	Material Storage		45	90		
		TOTAL			1,895		44

**VIII. PROGRAM FURNITURE AND EQUIPMENT****A. Skills Development Laboratory**

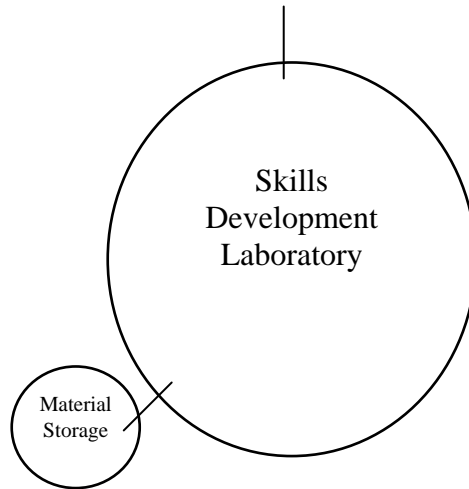
No. of Items	Contractor Provided	District Provided (FF&E)	Description
30		X	Workstation with wire management
1		X	Table, 30" x 72"
1		X	Speaker's lectern, 42" x 25" x 11-3/4"
2		X	File cabinet, four-drawer, legal, lateral, lockable
30		X	Chair, stackable
30		X	Computers
4		X	Printers
1		X	Computer and Printer for teacher
1	X		Marker Board, 4' x 16', with map rails and flag holder.
3	X		Tack Board, 4' x 4'
1	X		8'w x 6'h video format screen with black masking borders
1		X	Bookcase
1		X	Pencil sharpener, electric
1	X		Clock (connected to master bell system)
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
1	X		TV/Multimedia Cabinet (refer to general considerations)
1	X		Workstation (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X		Built-ins (refer to special considerations)

**IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED**

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. Heating / Cooling / Ventilation** – As required to meet District Standards.
- B. Acoustical** - As required to meet District Standards.
- C. Floor** – As required to meet District Standards.

- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** – As required to meet District Standards.
- G. **Window** - As required to meet District Standards.
- H. **Doors** - As required to meet District Standards.
- I. **Water / Plumbing Fixtures** - As required to meet District Standards
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** - As required to meet District Standards. Provide computer/data hook ups for student use to allow perimeter and/or peninsular set-up.
- M. **Gas and Air** – As required to meet District Standards.
- N. **Safety** - As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards.
- R. **Built-ins**
  - 1. Provide maximum upper cabinets with lockable doors and adjustable shelves. Cabinets shall have a 14”d clearance inside the cabinets.
  - 2. Provide Multimedia cabinet and workstation - refer to General Considerations.
  - 3. Provide metal shelving (3 – 36”w x 18”d x 80”h) in storage.
- S. **Other Considerations** - N/A

**SPATIAL RELATIONSHIPS****Skills Development Laboratory**

Not all spaces are shown

## **SOCIAL STUDIES**

### **I. PROGRAM PHILOSOPHY**

The middle school Social Studies program is organized around and focused on personal and societal goals that help students become effective participants in the social world. Additionally, the program provides an understandable framework for integrating knowledge from History and the Social Science disciplines and for explicating the major knowledge, values, and participation goals of Social Studies.

### **II. PROGRAM GOALS**

The middle school Social Studies program is organized around and based upon the preparation of students for more reflective and effective political participation in their society. The program goals include:

- A. **Socialization** - aimed at helping students to become effective members of social groups.
- B. **Decision-making processes** - aimed at helping students to make effective use of intellectual skills in reaching decisions about their social concerns.
- C. **Citizenship** - aimed at helping students to use more effectively the process of a representative-democratic government.
- D. **Knowledge acquisition** - aimed at helping students to acquire and utilize information and intellectual skills provided through the Social Studies curriculum.

The program stresses the assimilation of three important perspectives of Social Studies: (1) subject, (2) learner, and (3) society.

### **III. PROGRAM ACTIVITIES**

#### **A. Curriculum**

- |                    |                     |
|--------------------|---------------------|
| 1. Geography       | 5. American History |
| 2. World History   | 6. World Culture    |
| 3. Florida Studies | 7. Economics        |
| 4. World Geography |                     |

**B. Teacher Activities**

1. Confer with individual students.
2. Consult with small groups on activities, discussions, or projects.
3. Lead large or small discussion groups.
4. Plan bulletin board and interest centers.
5. Make recommendations as to selection of materials and equipment.
6. Plan with team of teachers for class and intra-level group activities.
7. Assist with assembly programs.
8. Sponsor enrichment programs.
9. Provide demonstrations.
10. Help plan and lead field trips.
11. Lecture.
12. Interview resource people.
13. Provide techniques for teacher and student evaluation of learning.
14. Conduct teacher, parent and pupil conferences.

**C. Student Activities**

1. **Think** - Creative and critical thinking, problem-solving associations.
2. **Listen** - Tapes, lectures, records, speeches, discussions, radio, TV, movies, guests, classmates.
3. **Speak** - Speeches, explanation, dramatization, demonstrations, simulations, class and panel discussions.
4. **Read** - Textbooks, reference books, reports, magazines, newspapers, fiction, trade books.
5. **Write** - Creative writing, reports, research papers, outlines, summaries, speeches, comparisons.
6. **View** - Slides, pictures, TV, maps, charts, globes, overlays, field trips and other projected materials.
7. **Inspect** - Relief maps, road maps, globes, artifacts, samples, pictures, charts, graphs.
8. **Construct** - Booklets, displays, posters, scrapbooks, graphs, bulletin boards, maps, charts, diagrams, time lines, pictures, replicas, dioramas, mobiles, murals.

**IV. ORGANIZATIONAL NOMENCLATURE**Total - Student Ratio: 1:22Grade Levels for Which Program is Intended: 6 - 8**V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES**

N/A

**VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)**

N/A

**VII. PROGRAM FACILITIES LIST**

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
			SOCIAL STUDIES				
002	6	Classroom		900	5,400	22	132
808	6	Material Storage		45	270		
		TOTAL			5,670		132

**VIII. PROGRAM FURNITURE AND EQUIPMENT****A. Classroom**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
22		X	Student Combo Desk
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
4-10		X	Chairs, stackable, 17", plastic
1		X	Lectern
1		X	Stool
1		X	Map/Globe
1	X		Marker Board, 4' x 16', with map rails and flag holder
3	X		Tack Board, 4' x 4'
1	X		8'w x 6'h video format screen with black masking borders
4		X	Computers
2		X	Printers
1		X	Computer and printer for teacher
1		X	Pencil sharpener, electric
1	X		Clock
1	X		Multimedia Cabinet (refer to general considerations)
1	X		Workstation (refer to general considerations)
1		X	DVD/VCR combo

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Document camera
1		X	Wireless laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)

## IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

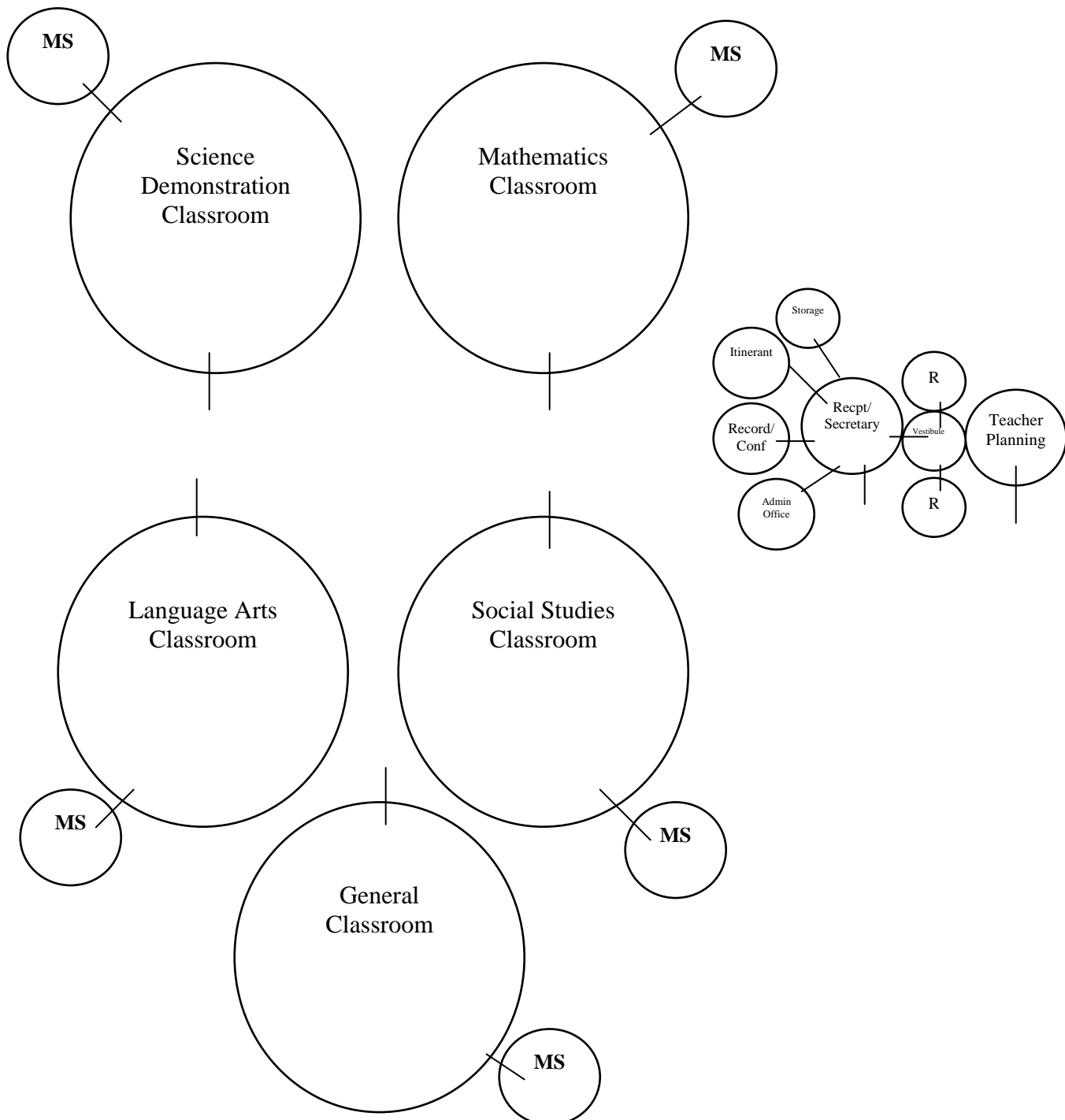
- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** – As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** – As required to meet District Standards.
- G. **Windows** – As required to meet District Standards.
- H. **Doors** – As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instruction Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** – As required to meet District Standards.
- R. **Built-ins**
  - 1. Provide base cabinet with lockable doors and adjustable shelves, and upper

cabinets with lockable doors and adjustable shelves.

2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
3. Provide computer counter to accommodate four (4) computers and two (2) printers (14'W x 30"D). The counter shall have grommets for wire management.
4. Provide Multimedia cabinet and workstation - refer to General Considerations.
5. Provide metal shelving (3 – 36"w x 18"d x 80") in storage.

**S. Other Considerations - N/A**



**SPATIAL RELATIONSHIPS****Campus Functional Relationship Diagram  
(Academic Houses)**

**TEACHER PLANNING****I. PROGRAM PHILOSOPHY**

Refer to overall.

**II. PROGRAM GOALS**

The goal is to provide teachers and staff with a comfortable and restful environment in which to mentally and physically relax during non-duty periods.

**III. PROGRAM ACTIVITIES**

The teacher planning areas shall provide spaces for the social and emotional development of teachers and staff. It also provides the opportunity for small group meetings and planning.

**IV. ORGANIZATIONAL NOMENCLATURE**

During the course of the day staff members will use the facilities. The number of people, at any one time, will vary.

**V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES**

N/A

**VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)**

A. Teacher Planning shall be located within the instructional area and adjacent to the Academic House Administration area.

**VII. PROGRAM FACILITIES LIST**

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft.	Sq. Ft.	Stu. Sta.	Stu. Stat.
				Per Unit	Total	Unit	Total.
TEACHER PLANNING							
315	3	Teacher Planning		600	1,800		
		TOTAL			1,800		

**VIII. PROGRAM FURNITURE AND EQUIPMENT****A. Teacher Planning**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
		X	Vending machine(s)
1-2		X	Copier
8-10		X	Computers
8		X	Printers
1	X		Tack board, 4' x 6'
1	X		Clock
1			Refrigerator
1			Microwave
	X		Built-ins (refer to special considerations)
1	X		Mirror & vanity in staff restroom
1		X	Work table

**IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED**

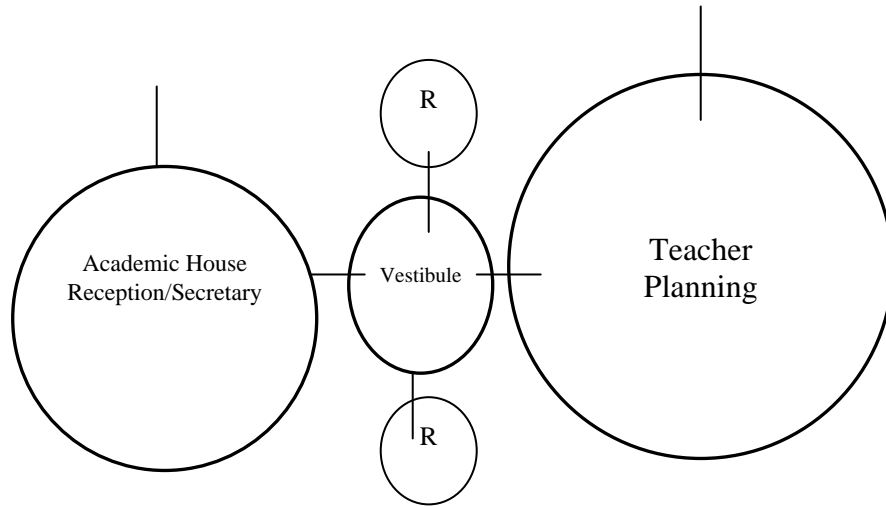
Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. Heating/Cooling/Ventilation** – As required to meet District Standards.
- B. Acoustical** - As required to meet District Standards.
- C. Floor** - As required to meet District Standards.
- D. Walls** - As required to meet District Standards.
- E. Ceiling** - As required to meet District Standards.
- F. Lighting** - As required to meet District Standards.
- G. Windows** - As required to meet District Standards.
- H. Doors** - As required to meet District Standards.
- I. Plumbing Fixtures/Water** - As required to meet District Standards.
- J. Communications** - As required to meet District Standards.
- K. Electrical** - As required to meet District Standards.
- L. Instructional Technology** - As required to meet District Standards. Provide computer/data hook ups.
- M. Gas and Air** - As required to meet District Standards.
- N. Safety** - As required to meet District Standards.

- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** - As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards.
- R. **Built-ins** -
  - 1. Provide mirror and shelf over sinks.
  - 2. Full-length mirror in restroom.
  - 3. Provide teacher carrels with lockable pedestal to accommodate eight (8) teachers with computer and printer. Provide lockable upper cabinets above teacher carrels. The teacher carrels shall have grommets for wire management.
  - 4. Provide upper and lower cabinet with sink.
- S. **Other Considerations** - N/A

**SPATIAL RELATIONSHIPS**

**Teacher Planning**



R = Restroom, staff

**FACILITY SPACE SUMMARY****Crestwood Middle School****Addition****Grades: 6 – 8****Existing Student Stations: 1,113 (excluding modulares)****New Student Stations: 660****Total Student Stations: 1,773****Utilization Factor: 90%****FISH Capacity: 1,595****Program Capacity: 1,300**

<b>Facility Area</b>	<b>Proposed Student Stations</b>	<b>Net Assign Square Feet (NASF)</b>
Administrative/Student Services		1,450
Custodial		1,290
Exceptional Student Education	0	2,290
General Classrooms	88	3,780
Language Arts	132	5,670
Mathematics	132	5,670
Resource Rooms		1,560
Restrooms		1,386
Science	132	6,000
Skills Development Laboratory	44	1,890
Social Studies	132	5,670
Student Storage		330
Teacher Planning		1,800
<b>Totals</b>	<b>660</b>	<b>38,786</b>
Mechanical @ 6%		2,327
<b>Total Net Sq. Ft.</b>		<b>41,113</b>
Circulation, Walls etc. @ 32%		13,156
<b>Total Gross Sq. Ft.</b>		<b>54,269</b>