

EDUCATION SPECIFICATIONS
For Macdonough Elementary School

Dr. Alberto Vázquez Matos, Superintendent of Schools
Dr. Stacey McCann Assistant Superintendent of Teaching and Learning
Mr. Marco Gaylord, Executive Director of Operations
Ms. Natalie Forbes, Executive Director of Finance
Ms. Vacianna Spaulding, Director of Pupil Personnel Services
Mr. Michael Skott, Director of Informational Technology
Mr. Orlando Ruiz, Principal

TABLE OF CONTENTS

I.	INTRODUCTION	3
II.	LONG RANGE PLAN/PROJECT RATIONALE	3
III.	THE PROJECT	3
IV.	CAPACITY DATA	4
V.	OVERVIEW OF PROGRAMS	4
VI.	CLASSROOM SPECIFICATIONS	5
VII.	ADMINISTRATION AND SUPPORT FACILITIES	19
VIII.	COMMUNITY USES	25
IX.	ENVIRONMENT - SYSTEMS - EQUIPMENT	25
X.	SITE DEVELOPMENT	28

I. INTRODUCTION

Middletown Public Schools (MPS) currently has eight elementary buildings. These buildings range in age from just renovated like new to 100 years old. The Middletown Board of Education seeks to provide elementary school buildings that:

- Create learning environments designed for current instructional strategies and supports;
- Benefit from needed technology upgrades;
- Comply with current building and fire codes;
- Incorporate contemporary design for school safety and security;
- Utilize modern, efficient heating and cooling systems;
- Provide accessibility to all by meeting the requirements of the Americans with Disabilities Act; and
- Achieve racially balanced schools.

The Middletown 2024: Thriving Together, A Journey Toward Empowerment and Growth Strategic Operating Plan consists of four goals with the aim of boldly changing the legacy systems and structures of the past. Middletown Public Schools, cultivating the brilliance in each student We have the opportunity to expand, bring back students who live within ½ mile of the school, and develop pathways for students where they serve as the co-authors of their learning. By boldly transforming education through nurturing the individualized growth of all students, we will create choice and innovation models. Specifically, the plan consists of the following overarching components:

- Expansion of PreK and STEM
- Increase Macdonough Capacity
- Implement a Redistrict Plan which will return students to Macdonough and provide balance at the remaining schools
- Include Kindergarten Preparatory Academy at Macdonough
- Support a community school model

II. LONG RANGE PLAN/ PROJECT RATIONALE

Enrollment Study with projections will be added after the study is completed.

New Statement

Middletown Public Schools has initiated a progressive STEM Academy, with Macdonough School serving as its inaugural site. A lottery system was implemented in 2021 to ensure equitable access, prioritizing neighborhood students while extending opportunities district-wide. The planned renovation and expansion of Macdonough School will facilitate the reintegration of approximately 100 students residing within a half-mile radius, currently bussed to Farm Hill School. Macdonough School serves a student population with 73% high needs in the north part of Middletown. This strategic realignment addresses significant challenges related to student connectivity and parental engagement. These students, mainly from subsidized housing, experience limited connection to Farm Hill School due to logistical barriers, resulting in diminished parental involvement and reduced participation in school-based activities. The expansion to a 350-student capacity at Macdonough will enable these students to attend their local school, fostering a stronger sense of community and facilitating parental engagement through increased accessibility to school functions, parent-teacher conferences, the school resource center, community-based health services, meal assistance, and recreational facilities. The remaining 30-40 slots will be allocated via a district-wide lottery, ensuring diverse representation within the STEM Academy. Our vision is to establish a state-of-the-art STEAM Academy at Macdonough, supported by strategic redistricting, to cultivate robust community partnerships and elevate parental engagement. This investment in a modern, innovative learning environment will create transformative educational pathways, promoting innovation, creativity, and equitable access to quality education for all students.

IV. CAPACITY DATA

Macdonough Elementary School currently has an enrollment of 231 students. The construction of like-new K - 5 facilities at the Macdonough School site will house 350 students.

V. OVERVIEW OF PROGRAMS

GENERAL EDUCATION

The features of elementary classrooms considered when housing groups of school children for instructional purposes can be divided into four (4) classifications: (1) Pre-Kindergarten, (2) full-day kindergarten, (3) early elementary - grades one and two; and (4) intermediate grades three, four and five. The classroom needs of kindergarten and early elementary children require flexibility of space, portability of furniture, and sound absorbers and diffusers. In addition, these classrooms will consist of low-height furnishings and space for group instruction ranging from total class involvement to three or four separate groups involved in different activities simultaneously. The learning environment for intermediate grades must accommodate large-group and small-group instructional activities, which are teacher-directed. Space should also be provided for students to read, write, research, and study for individual or small group projects. Intermediate instructional classrooms require storage space for classroom libraries, textbooks, reference materials, supplemental books, supplies, science equipment, charts, computers, calculators, and audio-visual equipment. Again, classroom spaces need to support the workshop model, including regularly spaced electrical outlets to support various flexible student groupings.

Grades K—5 require students to change classes periodically during the day. Due to this academic arrangement, consideration should be given to the student traffic that will result from it. Student proximity to the library/media center, gymnasium/auditorium, instrumental music, and art and music rooms should also be noted.

The general education program includes language arts, mathematics, science, social studies, art, music, and physical education. Support services include a media center and technology support. Facilities for these areas need to be specific to the purpose yet flexible enough to accommodate the variety of services offered. Further, these facilities should be pleasant and inviting to encourage students, staff, and the community to fully support them and to benefit from them. The gymnasium will serve as a stage area for school assemblies, performances, and other events.

OUTSIDE PLAY AREA

The outside play area for the intermediate level must accommodate activities ranging from the minimal space demands of jump rope to the larger areas needed to play soccer, kickball, softball, etc. If possible, this play area should be away from instructional spaces.

SUPPORT SERVICES

General education intervention services are comprised of reading, mathematics, and Multilingual learner (MLL) support. Intervention services should be centrally located in the classroom areas of the building. The reading and math areas are staffed by the reading consultant and math interventionist. Depending on the school's Multilingual learner population and needs, an MLL teacher will staff the MLL support space and/or tutor. These rooms will be utilized for individualized testing and individual and small group instruction.

Special Education programs include special education resource rooms, specialized district learning centers, spaces for occupational/physical therapy (OT/PT) services, and related services (Social Work, Psychologist, Speech/Language, Behavior Technician).

Classrooms for special education and related service teachers should meet the needs for small group instruction. They must be of sufficient size to accommodate children requiring specialized equipment. Rooms will be used for testing, confidential meetings with parents and/or students, individual and small group instruction and counseling, and staff conferences.

TECHNOLOGY AND MEDIA

With a focus on STEM, the Academy must be able to support varied uses of technology. In particular, the school's infrastructure should reflect the latest in wiring and cabling, which would support current technology applications as well as future requirements. The school should have a networking capability and be adaptable for single computer use. Computers should support the school's full range of educational and operational functions.

Wiring for all classrooms will include network drops and multiple electrical outlets. The entire facility will have wireless connectivity to support the implementation of mobile devices such as smartphones, notebooks, and other internet-ready devices.

Hallways should have regularly spaced electrical outlets to support temporary charging of computer carts. Each classroom will house 20-25 portable technology devices (iPads or Chromebooks).

The Library Media Center/Maker Space of an elementary school is a multi-purpose room. It should be bright, colorful, attractive, warm, and inviting, and it should meet the needs of the students it serves. It is important that the media center be designed with the students' safety in mind. There should be freestanding, four-foot-high, double-faced shelving allowing an adult to see the entire area. The area must be large enough to house an appropriate print and media collection and a space for approximately five (5) computer carts used throughout the school to support testing and curriculum. The room is divided so that most space is used as the public area. A small story corner, computer access to online card catalogue, and a circulation area located near an exit door are also required.

VI. CLASSROOM SPECIFICATIONS

Unless otherwise noted, the standard furnishings for every classroom noted below are expected to include the following:

- Room darkening shades
- Classroom
- Acoustical insulation for soundproofing
- Air conditioning
- ADA-compliant building standards
- Wireless/internet access to support at least 30 mobile devices
- Multiple electrical outlets
- Sound Field System
- Telephone
-

GENERAL EDUCATION PROGRAMS

Kindergarten Preparatory Academy / School Readiness Program	
SPACE: 1,000 square feet (each)	
NUMBER: Two (2) classrooms	
Toilet	<ul style="list-style-type: none"> • Toilet room with sink at a level appropriate for children ages 4-6
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with laminate countertops • In-room drinking fountain • Soap and towel dispenser
Access	<ul style="list-style-type: none"> • Direct access to outdoor play areas desirable, if possible
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Coat and personal storage area for twenty-four (24) located within the classroom
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rugs
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Two (2) kidney-shaped tables • Student chairs/tables to accommodate up to twenty-four (24) students • Cozy Cube • Furniture to support play (mini kitchens or discovery / dramatic play items)
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • SMART television on cart
Computers	<ul style="list-style-type: none"> • One (1) teacher device • One (1) charging storage station with ten (10) devices per classroom

KINDERGARTEN	
SPACE: 1,000 square feet (each)	
NUMBER: Two (2) classrooms	
Toilet	<ul style="list-style-type: none"> • Toilet room with a sink at a level appropriate for children ages 4-6
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with laminate countertops • In-room drinking fountain • Soap and towel dispenser
Access	<ul style="list-style-type: none"> • Direct access to outdoor play areas desirable, if possible
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Coat and personal storage area for twenty-four (24) located within the classroom
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rugs
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Two (2) kidney-shaped tables • Student chairs/tables to accommodate up to twenty-four (24) students • Cozy Cube • Furniture to support play (mini kitchens or discovery / dramatic play items)
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • SMART television on cart
Computers	<ul style="list-style-type: none"> • One (1) teacher device • One (1) charging storage station with ten (10) devices per classroom

EARLY ELEMENTARY - GRADES ONE AND TWO	
SPACE: 810 square feet (+/- 10 %)	
NUMBER: Four- Five (4/5) classrooms	
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with laminate counters • In-room drinking fountain • Soap and towel dispenser
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Coat and personal storage area for twenty-four (24) located within the classroom
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rugs
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Two (2) kidney-shaped tables • Student chairs/desks /tables to accommodate up to twenty-four (24) students
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • SMART television on cart
Computers (each)	<ul style="list-style-type: none"> • One (1) teacher device • One (1) charging storage station with ten (10) devices per classroom

INTERMEDIATE - GRADES THREE, FOUR, and FIVE	
SPACE: 800 square feet (+/-10%)	
NUMBER: Six - Eight (6/8) classrooms	
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with laminate counter • In-room water fountain • Soap and towel dispenser
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Coat and personal storage areas are located in the corridor for up to Twenty-four (24) students per classroom
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rugs
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Kidney-shaped table and appropriate student seating for twenty-six (26)
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • SMART television on cart
Computers	<ul style="list-style-type: none"> • One (1) teacher device • One (1) charging storage station with ten (10) devices per classroom

VISUAL ARTS	
SPACE: 1,000 square feet (includes 100 s.f. for kiln room, and 150 s.f. for storage)	
Number: One (1) Visual Arts Rooms (K-5) designated	
Toilet	<ul style="list-style-type: none"> • <i>N/A</i>
Sinks	<ul style="list-style-type: none"> • Minimum two (2) deep sinks with clay traps in addition to one (1) student accessible sink all in same location • <u>In-room drinking fountain</u>
Classroom Storage	<ul style="list-style-type: none"> • Lockable closets • Easily accessible cabinets and shelves • Vertical file tub-storage cabinets with locks • Two (2) kitchen-type mobile carts with shelves
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Storage racks and drawers
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Display	<ul style="list-style-type: none"> • Two-sided fully locked showcase on room's corridor wall • Whiteboard • <u>Bulletin Board</u>
Student Furniture	<ul style="list-style-type: none"> • Twenty-six (26) stools
Teacher Furniture	<ul style="list-style-type: none"> • <u>Teacher Desk/Chair</u>
Other Furniture	<ul style="list-style-type: none"> • <u>Butcher block work tables (rectangular)</u>
Special Needs/Equipment	<ul style="list-style-type: none"> • Two (2) small kilns (to be appropriately located and sized) • Drying racks • Book racks and magazine shelves (fine arts area) • Four (4) sturdy wooden adjustable painting easels • Two (2) large rolling waste barrels • <u>Eyewash station</u>
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • SMART television on cart
Computers	<ul style="list-style-type: none"> • One (1) teacher device

GENERAL MUSIC	
SPACE: 900 square feet (+/-10%)	
NUMBER: 1 (1) General Music rooms	
Toilet	<ul style="list-style-type: none"> • N/A
Sinks	<ul style="list-style-type: none"> • Large sink in Instrumental Music room to submerge brass instruments for cleaning • Small sink/fountain area in General Music room • In-room drinking fountain
Access	<ul style="list-style-type: none"> • In proximity to gymnasium and platform (stage)
Classroom Storage	<ul style="list-style-type: none"> • Built-in storage for instruments (low built-in cubbies at room entrance) • Music cabinets for sheet music storage (each room) • Built-in bookcase (16" x 15')
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Lighting:	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring:	<ul style="list-style-type: none"> • Carpet tiles
Display	<ul style="list-style-type: none"> • Two 8 ft. whiteboards, one with permanent musical staff lines (each room)
Student Furniture	<ul style="list-style-type: none"> • Eighty (80) stackable chairs
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Other Furniture	<ul style="list-style-type: none"> • Twenty-five (25) music stands • One (1) Conductor's stand
Special Accommodations	<ul style="list-style-type: none"> • Sound deadening/sound proof walls • Acoustical divider built across the instrumental music room to divide the space into two separate practice rooms
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • SMART television on cart
Computers (each)	<ul style="list-style-type: none"> • One (1) teacher device • Two (2) student devices (SMART Music)

INSTRUMENTAL MUSIC	
SPACE: 200 square feet	
NUMBER: One (1) room	
Access	<ul style="list-style-type: none"> • In close proximity to music classroom
Classroom Storage	<ul style="list-style-type: none"> • Built-in storage for instruments (low built-in cubbies at room entrance) • Built-in bookcase (16" x 15')
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) Lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rug
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Board
Student Furniture	<ul style="list-style-type: none"> • Eight (8) student chairs • Computer furniture/workstations
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Other Furniture	<ul style="list-style-type: none"> • Visitor's chair • Ten music stands for instrumental room
Classroom Technology	<ul style="list-style-type: none"> • SMART television on cart • One (1) teacher device
Computers	<ul style="list-style-type: none"> • Two (2) devices (SMART Music)

PHYSICAL EDUCATION	
SPACE: Gymnasium/Multi-purpose/Auditorium: 4,400 SF	
PE Office/Storage: 300 SF	
Stage: 800 SF	
Toilet	<ul style="list-style-type: none"> • Two (2) lavatories adjacent or nearby the gymnasium • Faculty lavatory inside PE office
Sinks	<ul style="list-style-type: none"> • Recessed drinking fountains located inside gymnasium
Access	<ul style="list-style-type: none"> • Capacity to hold the entire student body, staff and faculty • Convenient access to ball fields
Storage	<ul style="list-style-type: none"> • Folding seating/carts/storage for the entire student body, staff and faculty • Storage area with access from the gymnasium • Six (6) shelving units (48"x18"x72") inside storage facility
Lighting	<ul style="list-style-type: none"> • Lighting with safety cages or equivalent; stage lighting
Flooring	<ul style="list-style-type: none"> • All-purpose wood floor system with essential markings • Removable protective matting
Special Accommodations	<ul style="list-style-type: none"> • Sound deadening/sound proof walls • Wall matting around entire perimeter, from height of wall base to 6'-0" minimum above finish floor • Removable wall matting along front of stage • Two (2) main and four (4) side baskets for basketball (all electrically operated) • Volleyball post recessed floor sleeves • Chinning bars • Horizontal bar • Divider curtain • One wall to be designated for future climbing, wall mounted equipment, and the masonry cores filled with concrete • Scoreboard (optional) • Movable cart for storage/equipment
Classroom Technology	<ul style="list-style-type: none"> • Portable whiteboard • SMART television on cart • One (1) teacher device

SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS (STEM) LAB	
SPACE: 900 square feet (+/- 10%)	
Toilet	<ul style="list-style-type: none"> • N/A
Sinks	<ul style="list-style-type: none"> • Three (3) stainless steel sinks with laminate countertops
Access	<ul style="list-style-type: none"> • In close proximity to general education classrooms
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Locked closet for audio-visual equipment and science equipment • Lockable cabinets to be deep, with adjustable / removable shelving, and space for large bin storage.
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • Two (2) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Display	<ul style="list-style-type: none"> • Two-sided fully locked showcases on room's corridor wall • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Age-appropriate student furniture (24 students)
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Other Furniture	<ul style="list-style-type: none"> • Thirteen (13) movable laboratory tables
Special Accommodations	<ul style="list-style-type: none"> • Mobile, flexible, work top areas with water for science activities.
Classroom Technology	<ul style="list-style-type: none"> • SMARTtv and Cart • Retractable, overhead electrical outlets
Computers	<ul style="list-style-type: none"> • Twelve (12) student devices • One (1) teacher device • Twelve (12) Electronic Microscopes

PROJECT ROOM	
SPACE:	600 square feet (+/- 10%)
Toilet	<ul style="list-style-type: none"> • N/A
Sinks	<ul style="list-style-type: none"> • Three (3) stainless steel sinks with laminate countertops • Soap and towel dispensers
Access	<ul style="list-style-type: none"> • In close proximity to general education classrooms J
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Locked closet for project supplies • Lockable cabinets to be deep, with adjustable/ removable shelving, and space for large bin storage.
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • Two (2) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Display	<ul style="list-style-type: none"> • Two-sided fully locked showcases on room's corridor wall • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • 26 stools
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Other Furniture	<ul style="list-style-type: none"> • Five (5) Butcher block wood tables
Special Accommodations	<ul style="list-style-type: none"> • Mobile, flexible, work top areas with water for science activities.
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • SMART television on cart • Retractable, overhead electrical outlets
Computers	<ul style="list-style-type: none"> • Twelve (12) student devices • One (1) teacher device • Twelve (12) Electronic Microscopes

LIBRARY MEDIA CENTER/MAKER SPACE	
SPACE:	1,600 square feet (includes 200 s.f. office for media staff and video production room)
Access	<ul style="list-style-type: none"> Centrally located in the school
Storage	<ul style="list-style-type: none"> Audio-visual storage cabinets Over-size vertical filing cabinet Storage for teacher resources and professional development materials
Teacher Storage	<ul style="list-style-type: none"> One (1) lockable four-drawer filing cabinet
Sinks	<ul style="list-style-type: none"> One (1) stainless steel sinks with laminate countertops Soap and towel dispensers
Lighting	<ul style="list-style-type: none"> Remote control room darkening blinds
Flooring	<ul style="list-style-type: none"> Wall to wall carpeting
Display	<ul style="list-style-type: none"> Whiteboard Bulletin Boards Well-placed and secure space for displays and promotional materials
Student Furniture	<ul style="list-style-type: none"> Tables and chairs with sleigh legs
Teacher Furniture	<ul style="list-style-type: none"> Two (2) teacher desks/chairs
Space Considerations	<ul style="list-style-type: none"> Small story corner Area for independent study (for approximately 25 students) Informal seating or an informal area with comfortable chairs A stack area to accommodate approximately 12,000 volumes of student print materials
Classroom Technology	<ul style="list-style-type: none"> Document Camera SMART tv and Carts Video production equipment to support student news
Computers	<ul style="list-style-type: none"> Two (2) teacher devices Five (5) carts
Classroom Technology	<ul style="list-style-type: none"> Document Camera SMARTtv and Cart
Computers	<ul style="list-style-type: none"> Five (5) student devices One (1) teacher device

SPECIAL EDUCATION PROGRAMS

SPECIALIZED CLASSROOMS

Based on current projections and existing student needs, two classrooms will be required to meet the needs of special education students who are enrolled in district wide programs for children, for example, with autistic or behavior disorders . In addition, space is required for special education instructional support.

SPECIALIZED SPECIAL EDUCATION CLASSROOMS (District Programs)	
SPACE: 810 square feet (each) (+/-10%)	
NUMBER: Two classrooms	
Toilet	<ul style="list-style-type: none"> • Separate toilet room within classroom, if possible
Sinks	<ul style="list-style-type: none"> • One stainless steel sinks with laminate counters • In-room drinking fountain • Soap and towel dispenser
Classroom Storage	<ul style="list-style-type: none"> • Storage area for large equipment (adaptive chairs, prone standers, supine standers, walkers, gait trainers, therapy balls, etc.) • Built-in bookcases • Storage areas • Counters under windows where appropriate • Large drawer storage (posters, large books, etc.)
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Coat and cubby storage for fifteen (15) students
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rugs
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Tables and chairs • Computer workstations
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Other Furniture	<ul style="list-style-type: none"> • Activity Groups: one (1) kidney-shaped table with six (6) chairs • Whole Group Instruction : two (2) rectangular tables with twelve (12) chairs
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • SMARTtv and Cart
Computers (each)	<ul style="list-style-type: none"> • One (1) teacher devices • Two (2) student devices

SPECIAL EDUCATION RESOURCE ROOM	
SPACE 600 square feet (each)	
NUMBER One (1) classroom (with room divider)	
Access	<ul style="list-style-type: none"> • Close proximity to general education classrooms
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Board
Student Furniture	<ul style="list-style-type: none"> • Pupil tables/chairs (adjustable/movable)
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Other Furniture	<ul style="list-style-type: none"> • Activity Groups: Two (2) kidney-shaped table with six (6) chairs (each)
Technology	<ul style="list-style-type: none"> • Document Camera • SMARTtv and Carts
Computers (each)	<ul style="list-style-type: none"> • One (1) teacher device • Four (4) student devices

INTERVENTION ROOM	
SPACE 600 square feet (each)	
NUMBER One (1) classroom (with room divider)	
Access	<ul style="list-style-type: none"> • Close proximity to general education classrooms
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Board
Student Furniture	<ul style="list-style-type: none"> • Pupil tables/chairs (adjustable/movable)
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Other Furniture	<ul style="list-style-type: none"> • Activity Groups: Two (2) kidney-shaped table with six (6) chairs (each)
Technology	<ul style="list-style-type: none"> • Document Camera • SMARTtv and Carts
Computers (each)	<ul style="list-style-type: none"> • One (1) teacher device • Four (4) student devices

O.T. / P.T. RESOURCE	
SPACE: /400 square feet	
NUMBER: One (1) room	
Toilet	<ul style="list-style-type: none"> • N/A
Sinks	<ul style="list-style-type: none"> • N/A
Classroom Storage	<ul style="list-style-type: none"> • Storage for large equipment (large adaptive chairs, prone standers, supine standers, large walkers, gait trainers, large therapy balls, etc.) • Built-in bookcases, storage areas, large-drawer storage • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinets (each)
Lighting:	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rugs
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Board
Student Furniture	<ul style="list-style-type: none"> • Pupil tables and chairs (adjustable - movable)
Teacher Furniture	<ul style="list-style-type: none"> • One (1) teacher desk/chair (each)
Other Furniture	<ul style="list-style-type: none"> • Activity Groups: One (1) small table with four (4) chairs (each office) • One (1) adult size visitor's chair
Special Needs/Equipment	<ul style="list-style-type: none"> • Full length mirror (Mylar)
Computers (each)	<ul style="list-style-type: none"> • One (1) teacher device

SPEECH / LANGUAGE	
SPACE: 250 square	
NUMBER: One room	
Toilet	<ul style="list-style-type: none"> • N/A
Sinks	<ul style="list-style-type: none"> • N/A
Access	<ul style="list-style-type: none"> • Adjacent to OT/PT areas if possible
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable built-in four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rugs
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Board
Student Furniture	<ul style="list-style-type: none"> • Pupil tables and chairs (adjustable and movable)
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair
Other Furniture	<ul style="list-style-type: none"> • Activity Groups: One (1) kidney-shaped table with six (6) chairs • Adult size visitor's chair • Play equipment for centers • Full length mirror (Mylar)
Computers (each)	<ul style="list-style-type: none"> • One (1) teacher device

VII. ADMINISTRATION AND SUPPORT FACILITIES

Unless otherwise noted, the standard furnishings for every area noted below are expected to include the following:

- Room darkening shades
- Acoustical insulation for soundproofing
- Year-round air conditioning
- ADA compliant building standards
- Wireless/internet access
- Multiple electric outlets
- Telephone

ADMINISTRATIVE OFFICES	
SPACE: 250 square feet	
NUMBER: Two (2) rooms	
Access/Location	<ul style="list-style-type: none"> • Two (2) entrances: one to main office/secretarial area and one to conference room
Storage	<ul style="list-style-type: none"> • One (1) large wall unit bookcase • Lockable lateral files
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Wall to wall carpeting
Office Furniture	<ul style="list-style-type: none"> • Desk/Chair • Visitor's seating for six (6)
Other Accommodations	<ul style="list-style-type: none"> • Bulletin board • Private lavatory
Technology	<ul style="list-style-type: none"> • Polycom telephone • Building security system monitor • Security "panic button with dedicated phone line
Computers (each)	<ul style="list-style-type: none"> • One (1) Device

MAIN OFFICE (SECRETARIAL AREA)	
SPACE: 400 square feet	
Access/Location	<ul style="list-style-type: none"> • Adjacent to the principal's office with a closable connecting door. • Hallway wall should have multiple windows, and the Main Office should be able to view main entranceway of school • Connecting door between office and health suite • Staff lavatories should be adjacent to the office
Storage	<ul style="list-style-type: none"> • Safe • Base and wall cabinets with counter space
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Wall to wall carpeting
Office Furniture	<ul style="list-style-type: none"> • Secretarial workstation (2) • Secretarial chair (2) • Additional work table • Visitor's seating • Tables

MAIN OFFICE (SECRETARIAL AREA (Continued))	
Other Accommodations	<ul style="list-style-type: none"> • Whiteboard • Bulletin boards • Closet for coats • Chairs/benches for visitors
Technology	<ul style="list-style-type: none"> • Network copier/fax machine • Building security system monitor (secretary) • Security "panic button with dedicated phone line (secretary) • Parent access Kiosk device
Computers (each)	<ul style="list-style-type: none"> • Two (2) device

CONFERENCE ROOMS	
SPACE: 200 square feet (each)	
NUMBER: One (1) rooms	
Access/Location	<ul style="list-style-type: none"> • One conference room adjacent to Main Office/Principal's Office • One conference room adjacent to pupil services offices
Lighting	<ul style="list-style-type: none"> • <u>Soft color, dimmable lighting</u>
Flooring	<ul style="list-style-type: none"> • <u>Wall to wall carpeting</u>
Office Furniture	<ul style="list-style-type: none"> • Conference Table • <u>Seating for ten (10)</u>
Other Accommodations	<ul style="list-style-type: none"> • Whiteboard • <u>Bulletin board</u>
Technology	<ul style="list-style-type: none"> • Polycom telephone • SMARTtv and Cart
Computers (each)	<ul style="list-style-type: none"> • One (1) device

HEALTH SERVICES	
SPACE: 450 square feet	
Toilet	<ul style="list-style-type: none"> • Oversized accessible toilet room with changing table
Sink	<ul style="list-style-type: none"> • Sink with foot pedal controls (outside Toilet room) • Sink with eyewash
Access/Location	<ul style="list-style-type: none"> • Access to main office for assistance during times of emergency • Access through main corridor
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Storage	<ul style="list-style-type: none"> • Lockable cabinets for medication (if controlled meds are not stored in the same cabinet as non-controlled meds, it does not require to be double locked) • Three (3) four-drawer lockable filing cabinets • Closet and extra storage for materials
Office Furniture	<ul style="list-style-type: none"> • Bookcase • Table for testing/conferences • Four (4) student chairs for waiting area
Space Considerations	<ul style="list-style-type: none"> • Recovery area with three (3) cots • Nurse's space where nurse can speak privately with students • Examination room • 25-ft space to conduct vision screenings • Waiting area for students
Medical Equipment	<ul style="list-style-type: none"> • Wheelchair/evacuation chair • Rolling cart (portable emergency cart) • Examination table
Other Accommodations	<ul style="list-style-type: none"> • AED with audible alarm box will be installed in the public access hallway. • Refrigerator with separate freezer compartment
Technology	<ul style="list-style-type: none"> • Telephone with direct access to an outside line
Computers (each)	<ul style="list-style-type: none"> • One (1) device

TEACHER WORKROOM	
SPACE:	600 square feet
Number:	Two (2) 400 SF ,200 SF
Toilet	<ul style="list-style-type: none"> • N/A
Sink	<ul style="list-style-type: none"> • Stainless steel sink with laminate countertops • Soap and towel dispenser
Lighting	<ul style="list-style-type: none"> • Soft, dimmable
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Storage	<ul style="list-style-type: none"> • Shelving • Staff Mailboxes • Locked cabinet
Furniture	<ul style="list-style-type: none"> • Three (3) tables and 12 chairs
Other Accommodations	<ul style="list-style-type: none"> • Dye press (letter cutting machine) • Laminating machine • General office supplies • Bulletin Board
Technology	<ul style="list-style-type: none"> • Network copier/fax machine/scanner
Computers (each)	<ul style="list-style-type: none"> • Four (4) teacher devices

FOOD SERVICES - CAFETORIUM (with adjoining space for family resource center)	
CAFETERIA SPACE: 1,700 square feet	
Toilet	<ul style="list-style-type: none"> • N/A
Sink	<ul style="list-style-type: none"> • Bay sink with foot pedal for hand washing and Purell stations for students
Access/Location	<ul style="list-style-type: none"> • Adjacent to full kitchen and serving area • Exits to outdoors
Lighting	<ul style="list-style-type: none"> • Soft, dimmable, room darkening shades
Flooring	<ul style="list-style-type: none"> • Resilient textured rubber flooring
Storage	<ul style="list-style-type: none"> • Storage room to accommodate tables/benches and chairs
Furniture	<ul style="list-style-type: none"> • Folding roll-away tables/benches, long type with built-in seating, to accommodate 100 in four (4) lunch waves • Chair and desk for paraprofessional/Cafeteria supervisor
Other Accommodations	<ul style="list-style-type: none"> • Recessed drinking fountains • Sound reducing measures • Soundproof divider between kitchen and cafeteria • Bulletin boards
Technology	<ul style="list-style-type: none"> • Localized public address system

FOOD SERVICES - KITCHEN	
SPACE: 1,500 square feet - Kitchen	
Toilet	<ul style="list-style-type: none"> Locker room for five (5) with adjacent unisex toilet room
Sink	<ul style="list-style-type: none"> One (1) three bay sinks with drainboard, garbage disposal One (1) double well stainless steel produce sink One (1) triple well stainless steel pot wash sink Three (3) hand sinks with soap and towel dispensers
Lighting	
Flooring	<ul style="list-style-type: none"> Epoxy flooring
Storage	<ul style="list-style-type: none"> Safe Four (4) stainless steel utility carts, three shelves, #300/400 capacity One (1) stainless steel cart for tray storage, ADA accessible Adequate space for annual supplies
Furniture	<ul style="list-style-type: none"> Teacher Desk/Chair Visitor's Chair
Space Considerations	<ul style="list-style-type: none"> Large walk-in storeroom with heavy-duty wire mesh chrome-mate shelving on casters Dishwasher room with necessary utilities (racks and tray carts) Separate area for the cashier to count money with a safe Two (2) serving lines with built-in hot and cold units Can washing area (outside, near dock - custodial)
Food Services Equipment	<ul style="list-style-type: none"> One (1) double steamer, pressure-less One (1) commercial microwave oven Two (2) double convection ovens with stand: single one-over-one unit Two (2) small double kettles Walk-in freezer, minimum 100 ft. square with shelving Walk-in refrigerator, minimum 100 ft. square with shelving One (1) pass-thru refrigerator near serving line One (1) pass-thru freezer near serving line Steam table with five (5) wells Two (2) preparation tables (stainless steel) Milk cooler Exhaust fans (ventilation) for ovens, skillet, stove, etc. Exhaust fans (ventilation) in washroom and pantry areas
Technology	<ul style="list-style-type: none"> Two (2) cash register and stand (point of sale system) One (1) device (Food Services Office)

FACULTY LOUNGE	
SPACE: 300 square feet	
NUMBER: 1	
Toilet	<ul style="list-style-type: none"> • Faculty toilets adjacent to faculty lounge
Sink	<ul style="list-style-type: none"> • Stainless steel sink with laminate counter • Soap and towel dispenser
Access/Location	<ul style="list-style-type: none"> • Close proximity to the major instructional section of the school
Lighting	<ul style="list-style-type: none"> • Provide windows and maximize natural light
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and carpeting
Storage	<ul style="list-style-type: none"> • Built-in upper and lower cabinets
Furniture	<ul style="list-style-type: none"> • Soft seating • Tables and seating for twenty (20) people • Bulletin Board
Equipment	<ul style="list-style-type: none"> • Microwave oven • Refrigerator

CUSTODIAL OFFICE	
SPACE: 150 square feet	
Toilet	<ul style="list-style-type: none"> • Locker room for four (4) with adjacent unisex toiletroom
Access/Location	<ul style="list-style-type: none"> • In close proximity to Cafeteria
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Storage	<ul style="list-style-type: none"> • Locked cabinet
Furniture	<ul style="list-style-type: none"> • Desk/Chair • Three (3) adult chairs
Computers (each)	<ul style="list-style-type: none"> • One (1) teacher device

FAMILY RESOURCE ROOM (Adjacent to the Cafeteria)	
SPACE:	500 square feet
Toilet	<ul style="list-style-type: none"> • Toilet room with sink at a level appropriate for children
Access	<ul style="list-style-type: none"> • Direct access to outdoors • Adjacent to the cafeteria
Storage	<ul style="list-style-type: none"> • Lockable storage wardrobe • One (1) lockable four-drawer filing cabinet • Counters under the windows where appropriate
Lightin2:	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rugs
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Furniture	<ul style="list-style-type: none"> • Two (2) rectangular tables • Twelve ((12) folding chairs • Desk/Chair
Office Space	<ul style="list-style-type: none"> • Three (3) small offices with the room for confidential service providers
Technology	<ul style="list-style-type: none"> • Document Camera • SMARTtv and Carts
Computers	<ul style="list-style-type: none"> • Four (4) devices

VIII. COMMUNITY USE

All of our schools are used by the community. Some of the groups that regularly use the facilities include:

Middletown Parks and Recreation Department
 Scouting organizations
 Athletic Organizations
 Civic organizations
 Municipal Boards and groups
 P.A.L.
 Odd Fellows Playhouse

Adult Education
 PTO
 Registrar of Voters

IX. ENVIRONMENT - SYSTEMS - EQUIPMENT

SYSTEM	SPECIFICATIONS
Building Systems	<ul style="list-style-type: none"> The building systems incorporated into the new construction will be designed in accordance with Connecticut High Performance Building Standards, equivalent in performance to a LEED Silver rating.
Heating/Cooling (HVAC) System	<ul style="list-style-type: none"> The goal of the building systems is to achieve zero net energy and minimize/eliminate the use of fossil fuels. Geothermal field to target net zero All spaces are to receive air conditioning; but only those areas with summertime use will have the systems running year-round; all other areas will have systems set to dehumidification only during summer months. In-line water heaters for domestic hot water shall be provided during non-heating season usage. Energy recovery units, VFD fan systems and pumps to be utilized in the design.
Climate Controls/ Ventilation System	<ul style="list-style-type: none"> Spaces should have independent, on demand heating, cooling and ventilation control for operational efficiency. Each classroom will be provided with a temperature sensor and carbon dioxide sensor. The carbon dioxide sensor is an energy saving device. By sensing the carbon dioxide within the room, the outside air intake is adjusted, reducing the amount of outside air being heated or cooled, resulting in less energy used. Climate controls/ventilation systems need to meet current codes and standards.
Lighting System	<ul style="list-style-type: none"> Efficient and appropriate natural lighting will be maximized within the facility as appropriate for the programmatic use of the spaces. Motion sensors and dual switching will be installed in classrooms. The use of fluorescent lights throughout, with exceptions in specialty areas. Attention should be given to security lighting for both interior and exterior of the building. Emergency back-up will be via local battery ballasts. The use of light shelves and light sensors for natural light to reduce electrical load shall be considered in locations where possible.

Electrical (Power) System	<ul style="list-style-type: none"> ● Photovoltaic Panels ● Power to be provided by local utility company. ● Distribution will include customer metering. ● Emergency generator to accommodate Life Safety needs.
Technology	<ul style="list-style-type: none"> ● There shall be a combined voice/data system with "VOIP" (Voice Over Internet Protocol) design. ● Each classroom will be equipped with digital projection and the school should be able to broadcast video content in all classrooms using a video distribution system. ● Head equipment to be housed in an MDF with 24hour environmental control. ● Horizontal cabling shall be Category 6e or contemporary equivalent. ● Cable shall be run in corridors to support horizontal cable structure. ● Fiber backbone between the MDF and IDF rooms shall be multi-mode type (10GB minimum). ● Fiber optical cable from street to MDF ● Make new Data center ● Dedicated, local server capable of storing digital video surveillance from all cameras in the building for up to 30 days
Security	<ul style="list-style-type: none"> ● Digital video surveillance of exterior/interior areas of the building. A door control system consisting of one or more pan-able cameras mounted outside the controlled entry and a video phone system that allows office personnel to see and speak to persons wishing to enter the building and then remotely grant access by activating an electrified door lock mechanism. ● Exterior doors will have swipe access controls. ● Design the plan to prevent access to instructional areas of the school when community events take place in assembly areas during non-school hours. ● Motion sensors shall be mounted in corridors. ● Respond to future state and/or federal mandates related to security requirements for elementary facilities.
Phone System	<ul style="list-style-type: none"> ● A comprehensive, district-integrated VOIP phone system (dial-out) will be integrated into technology scope of the project, including hands-free and handle options. ● Install phones in every room of the facility occupied by teachers or students at any given time, including all support and instructional spaces. ● Provide Voice Over "IP" options.
Public Address	<ul style="list-style-type: none"> ● The building's public address system is comprehensive and will be addressed as part of the technology component of the project to incorporate internal building communications as well as external communications. ● The PA system should be developed in conjunction with the phone, clock, data, voice and video distribution system of the school. ● Secondary access to security and public address systems will be located in

Acoustics	<ul style="list-style-type: none"> • The building will comply with ANSI S12.60-2002: Acoustical Performance Criteria, Design Requirements and Guidelines for Schools. • Suspended acoustical ceilings and/or acoustical decks will be installed throughout the building. • Corridor walls should be constructed of glazed concrete masonry units, or materials with a comparable NRC rating, and provide an adequate separation for sound control. • In specialized areas, such as media centers, appropriate acoustical treatments will be installed. • Sound field system will be provided in each classroom.
Windows/Doors	<ul style="list-style-type: none"> • Windows should be high efficiency, non-operational type with low-e glazing. • Emergency egress windows and rated doors will be installed in accordance with applicable codes. • Key fobs, thumb latches, vision panels - review with District and integrate with security section.

Fire Alarm	<ul style="list-style-type: none"> • The building will be protected by a fully addressable analog, manual and automatic fire alarm system.
Clocks	<ul style="list-style-type: none"> • Clocks, similar to the phone system will be integrated into the technology component of the project. • All support and instructional spaces will be included. • System to have manual override capability in the event that Daylight Saving Times are adjusted by the Federal Government.
Plumbing System	<ul style="list-style-type: none"> • Plumbing fixtures/system will be designed per current and applicable codes. • Fixtures will be self-operating. • Plastic piping to be considered for domestic water and heating where possible.
Fire Protection	<ul style="list-style-type: none"> • Building will be fully protected by a sprinkler system installed per NFPA 13.

X. SITE DEVELOPMENT

Passive security measures, such as visual control of the entrances from the office area, must be planned for. Active security measures and systems will be developed with the building design. Adequate lighting for monitoring activities and ensuring safety are of paramount importance at the building entrances. The entrance area should accommodate a separate bus loading and parent drop-off area. Entry overhangs or covered walkways will be provided for inclement weather.

Bus loading areas should be configured as a one-way drive in a counterclockwise direction to assure that loading and unloading of students occurs from the right-hand side of the vehicle adjacent to the building. The drive will have two lanes: one for travel, and one for stopping and unloading. The bus loading driveway should be located such that buses exit upstream of automobiles, thereby reducing delays.

Parent drop-off areas will also be configured as a one-way drive in a counterclockwise direction to ensure that loading and unloading of students occurs from the right-hand side of the vehicle adjacent to the building. Student drop-off and pick-up areas are to be separated from the bus loading area, and preferably should be separate from other parking lots.

Parking for staff and visitors will be developed to accommodate the building's multiple uses. The size and location of the parking lots will be determined based on the building's use for community access and student safety. The design of parking will also address ADA and other code requirements.

Sidewalks will be featured around the perimeter of the school. Access to the parking lots, playfields, bus and parent pickup/drop-off areas, and access for student walkers will be addressed. Sidewalks should be designed to accommodate students who walk or ride bicycles to school. The number of driveways that are crossed by sidewalks should be eliminated/minimized as much as practicable.

Playgrounds will include paved (dry) play areas, replacement baseball and soccer fields, and play scape equipment. Pre-Kindergarten and Kindergarten play areas should be located in close proximity to their classrooms.

Playfields, parking, service drives, drop-off zones and bus zones should be located to reduce the cost of connecting elements without requiring pedestrians to cross vehicular traffic lanes. The location of driveways, walkways and landscaping must permit adequate sight distances for both vehicles and pedestrians.

Site utilities and physical plant components, including drives and access roads, will be located to avoid conflict with student and vehicular traffic, as well as the planned future growth of building components.