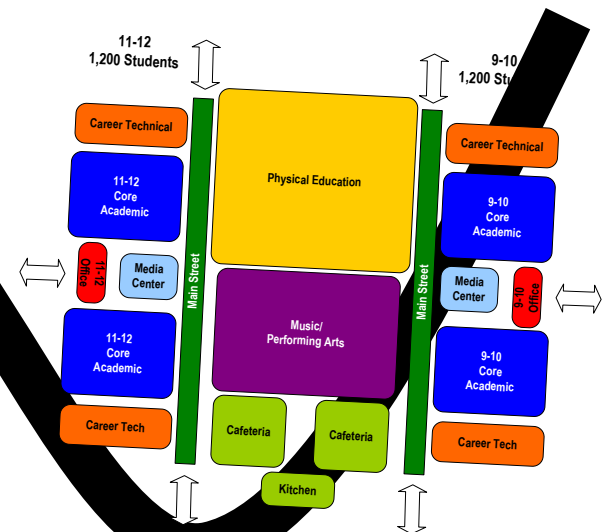
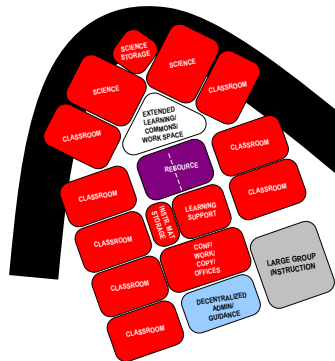


State College Area School District

High School Educational Specifications

June 2009



 **Facilities Solutions
through
Community Partnership**


DEJONG

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Our Mission is:



To Prepare Students for Lifelong Success through Excellence in Education

Vision

We envision a State College Area School District in which:

Each student is a lifelong learner who contributes to an ever-changing, increasingly diverse world.

Each student is actively engaged in developing relevant knowledge, skills and attributes, both independently and collaboratively.

All members of the school community demonstrate mutual respect.

All members of the school community have access to appropriate technology.

All members of the school community are committed to continuous improvement.

The community is dedicated to ensuring that students acquire the knowledge and skills necessary to enhance and fully develop their unique capabilities.

Our district meets the needs of students, families, and our community so well that broad, enthusiastic support is generated for the programs and services of the district.

Beliefs (Shared Values)

We believe each student

- can learn.
- is unique in abilities, interests, needs, and goals.

We believe learning

- is promoted by a nurturing and stimulating environment.
- is an interactive process in which each student must be engaged.
- is enhanced by access to technology.
- must be defined, measured and recognized in a variety of ways.
- is enhanced by respectful, positive, and collaborative relationships.

We believe educators

- promote learning through relationships, engagement, and assessment.
- benefit from continuing professional development.
- grow professionally from opportunities for collaboration with peers.

We believe effective schools

- are safe and secure.
- actively recognize, understand, and appreciate diversity.
- actively engage the community in the educational process.
- are accountable and add value to the community.
- anticipate and adapt to changes within the local, national, and global context.
- create responsible world citizens through shared civic responsibility at all levels.

Goal: 1. Future Oriented Curriculum

Description: Design and implement a future-oriented curriculum so that each student will graduate with the knowledge and skills to thrive in a multi-dimensional, global and technological society.

Goal: 2. Employee Collaboration and Innovation

Description: Provide for and expect collaboration and innovation in a quality staff, faculty and administration.

Goal: 3. Safe, Healthy and Nurturing Environment

Description: Provide a safe, secure, nurturing, and healthy environment that supports the changing needs of an increasingly diverse student population.

Goal: 4. School and Community Partnerships

Description: Build, strengthen, and maintain partnerships, emphasizing the shared responsibility of the school community and the community at large for the success of our students.

Goal: 5. Human, Physical and Financial Resource Management

Description: Continuously improve our systems for effective stewardship, allocation, and management of human, financial, and physical resources.

Goal: 6. Facilities and Technologies for Learning

Description: Provide facilities and technologies that enhance learning.

Executive Summary

Twenty-first Century High Schools must provide a rigorous and comprehensive learning environment, incorporate the flexibility for multiple teaching and learning styles, and prepare students to become responsible and independent citizens of a global society.

The State College Area School District High School Educational Specifications identify the appropriate spaces in the school based on the programmatic needs. It was created by a planning committee, including students, teachers, administrators, and community members, through small group exercises focusing on current needs, as well as emphasizing a vision for thirty years into the future. These small group exercises included identifying:

- What will Students be doing in the year 2030?
- What will Staff be doing in the year 2030?
- What will Learning Environments look like in the year 2030?
- How will Community and Schools Collaborate in the year 2030?
- What will be the impact of Technology on education in the year 2030?
- How do you create Flexibility in learning environments in 2030?



Planning Considerations

Through the planning process, key elements were identified and described as important features of a 21st Century High School facility for State College:

- **21st Century Best Practices** – Best practices for curriculum, organizational models, technology, and community use all help to address impacts on facilities.
- **21st Century High Schools** – The educational specifications committee described the values of a 21st Century High School as flexibility, technology, project based/applied learning, student empowerment, sustainability, aesthetics, safety and security, and partnerships.
- **Student Spaces** – Students need a variety of spaces including areas to work in groups or individually, eat lunch, meet friends, and access other school and student services.
- **Community/Shared Spaces** – High schools are used in a variety of ways, both during the school day and outside of normal school hours.
- **Technology** – The development and implementation of technology is critical to student learning, and can enhance not only the learning environment but enable students to learn in different ways.
- **Safety and Security** – Active and passive security measures are critical to ensuring safety at schools. Active security includes video cameras



and fencing. Passive security measures include the use of interior glass, and appropriate facility design to prevent blind spots unsupervisable areas.

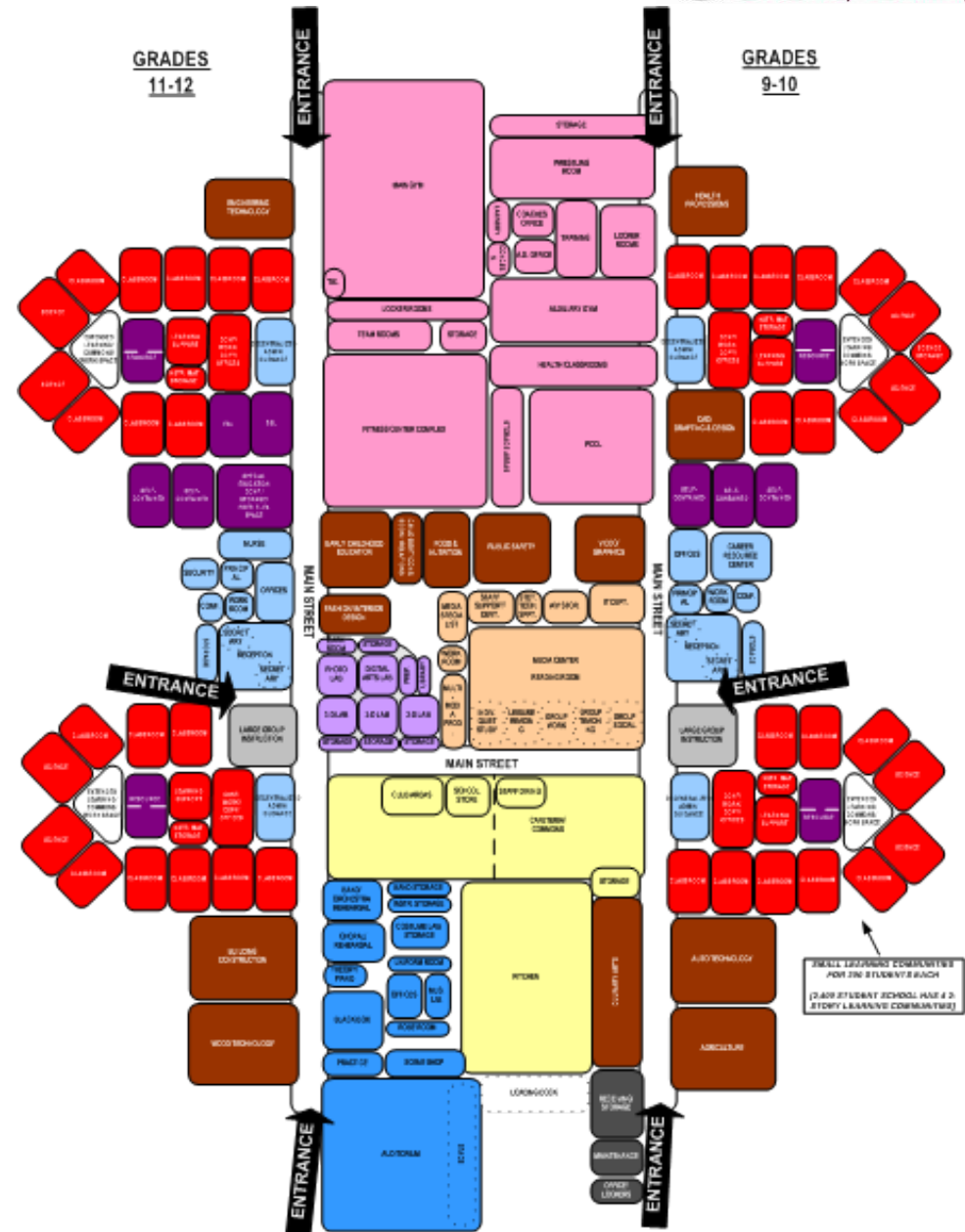
- **Green and Sustainability** – Green and environmentally friendly school facilities are healthy for teachers, students, and the environment.
- **Site Considerations** – Location and proximity of parking, exterior lighting, athletic fields, landscaping, and traffic flow are all important site considerations.
- **Aesthetics** – Facilities that are more visually pleasing and inviting to students help to promote high self-esteem, a place for academic success, social interaction, and physical safety.

Educational Program Areas

The goals for each program area were identified, and the space requirements listed. Overall, the diagram to the right explains the relationships between spaces for a flexible high school configured as 9-10 and 11-12 in separate buildings. Academic pods are shown both sides of the illustration, with shared spaces including physical education, media center, cafeteria, etc. in between.

The needs of each educational program are identified.

- **Core Academic** – Core academic areas are subdivided into small learning communities. Resource rooms are shared with special education and other spaces to allow for smaller learning environments and breakout space.
- **Special Education** – Where appropriate, special education spaces are integrated into the small learning communities.
- **Media Center** – The Media Center is central to the academic areas and features a variety of spaces to accommodate student learning.
- **Visual Arts** – Visual Arts spaces are clustered to allow for shared resources among instructors.
- **Music and Performing Arts** – Music and Performing Arts spaces are located in a shared area accessible to the outside for performances and movement of instruments and equipment.
- **Large Group Instruction** – Large Group Instruction areas are located near the small



learning environments for larger learning spaces and other educational delivery methods.

- **Physical Education** – The Physical Education Spaces are located in shared space with access to outside.
- **Career and Technical Center** – Career and Technical Center spaces are distributed throughout the space illustration. Where appropriate, spaces are integrated with other academic areas. Higher volume spaces are located on the periphery of the facility.

- **Welcome Center** – The Welcome Center is located centrally in two areas, with distributed administrative offices throughout the learning environments.
- **Food Service** – The Cafeteria and Food Service areas are located centrally in shared space.
- **Custodial** – Custodial space is located in proximity to the loading dock and kitchen.

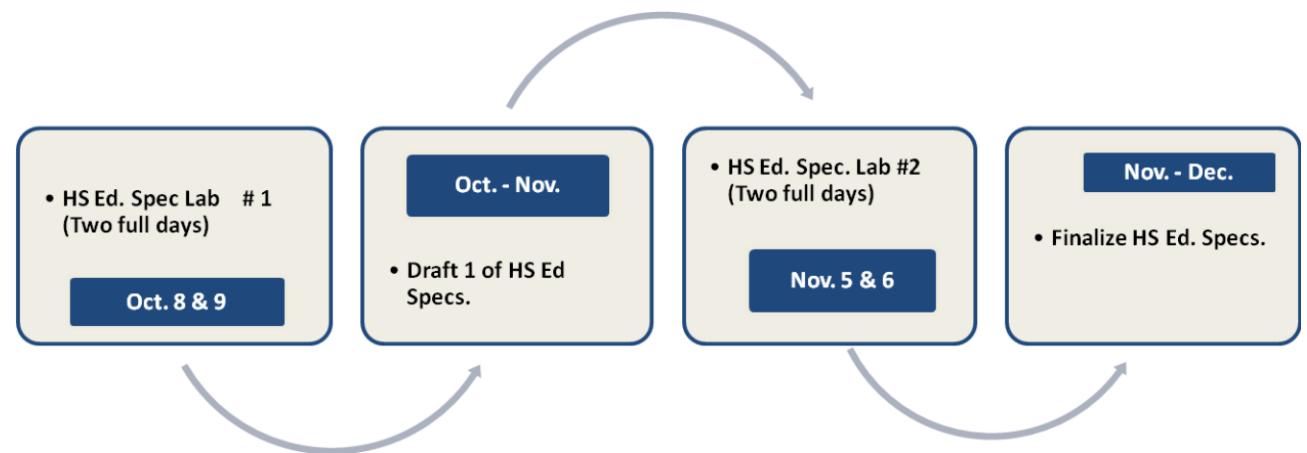
Educational Specifications Labs

The high school educational specifications committee, composed of teachers, administrators, support staff, special services staff, students, central office personnel, and community members was formed to assist in the development of the educational specifications. **Lab 1** was an intensive, two-day work session with the Committee focused on examining best practices, future trends, visioning, and determining program direction.

Lab 2 was another intensive, two-day work session to further edit and refine the draft program & design requirements that guide any new construction or renovation of existing space. As in Lab 1, this lab incorporated large group work, as well as smaller, breakout group work. The Committee also developed the layout of the facility, sizes of instruction and support areas, and plan for flexible spaces for education now and in the future.



High School Educational Specifications Process



High School Visioning

The educational specifications committee worked in small groups to identify what activities will be occurring in the year 2030. The following describes the results.

What will STUDENTS be doing in the year 2030?

- Shared world classroom (worldwide globalization)
 - reading, writing, calculating, performing, socializing, presenting
 - Group problem solving
 - Playing games
 - Interactive with simulations
 - Collaboratively creating new products – increasingly project driven
 - Interacting and communicating with artificial intelligence
 - Working with educators, mentors – online/distance education
 - Increasingly no grade levels
 - No letter grades
 - Driving cars and changing learning environments
 - Making and choosing own schedules
 - Accelerated multiple graduations
 - More environmentally aware
 - Eating more foods pre-processed/pre-packaged
 - Students eating all over the place
 - Telecommuting – more unified pocket sized devices for all (smaller, faster, more powerful)
 - Carrying the classroom with them
- 
- Individual ID – security devices
 - Flexible education hours
 - More travelling between learning centers
 - Purchasing power in school accounts – no cash
 - Moving on powered people movers
 - Individual diets – available – all dietary needs/choices
 - Living with parents and sharing dialogue
 - Hanging out with friends
 - Sleeping more/less
 - Stressed

- Less standardized testing
- More participation in connected extra-curricular activities
- Dealing with time management
- Overloading their lives
- Making difficult choices
- Concerned about the future

What will STAFF be doing in the year 2030?

- Global connections with experts in a field
- Like Kindergarten but with young adults and a staff team
- Facilitator – editor – producer
- Inspiration “Agent”
- Goal setting – designing instruction

- Continue to have great expectations placed upon them
- Look to schools as primary community environment – intellectual, emotional, creative, spiritual, reflective, recreational, entertainment
- Going to resource centers instead of libraries

- Time – flex time within the day for 12 months
- Working with families beyond the traditional role of purveying knowledge



What will LEARNING ENVIRONMENTS look like in the year 2030?

- Open
- Comfortable
- Secure
- Flexible
- Inspiring design
- Access to technology
- Video conferencing
- Off-site learning
- Senior year options – internships, co-op, higher education
- Energy efficient – more green
- Teaching facilities that use the facilities as a teaching tool

- Community based schools friendly to senior citizens
- Volunteer center (students – private citizens)
- School day calendar will be very different
- Service learning – civil engagement
- I.E.P.'s for every student
- Learning at home when absent
- Safe environment – open to community
- Partnerships with school and private businesses, hospitals, etc.
- Community centered schools – no more institutionalized buildings (more like homes than schools)
- Flexibility of spaces for multiple uses

- More larger areas
- More rooms to allow for teacher pairing of classrooms
- Paperless, bookless, multiple delivery pedagogies
- Cellphones replacing laptops
- Parents have immediate access to student grades, work, etc.
- Students taught ethics
- Parenting centers offering help with children
- Better protection from plagiarism
- New ways to evaluate student work
- More time for teacher collaboration
- Globalization – small school reaching out
- No bell schedule

How will COMMUNITY and SCHOOLS collaborate in the year 2030?

- Global/Local connections
- Curriculum programming
- Business/Industry
- Depth of knowledge instead of breadth
- Interface with companies
- Shared facilities – expertise
- International courses online
- Tapping into human resources (retired community)
- Mentoring
- Shadowing
- Infrastructure (be a part of and share resources)
- Strategic planning for use of all interior and exterior use of facilities with community

What will be the impact of TECHNOLOGY on education in the year 2030?

- Less in-school learning
- Paperless
- Smaller, more mobile
- Professional teacher preparation
- Affect the “time” of the school day
- Relationship/communication with/between staff, parents, students
- Physical effects/issues of computer use for hours
- More individualized instruction at school and home
- Constant update of technology
- Navigate the world
- Not constrained by physical space
- Language evolution
- More affordable translation/technology
- Disabilities/abilities, special needs help
- New career paths
- Loss of manual skills
- Revitalization of trade skills

How do you create FLEXIBILITY in learning environments in 2030?

- Using space in a variety of ways
- Combining subjects, ages, faculty in common space
- Define “Environments” – Learning vs. location, grade level, departmental, thematic
- Generic vs. specialized
- Multi-use spaces
- Design space to encourage shared use by different groups
- Spaces for structured and unstructured use
- Space for staff development (discuss issues, training, collaboration)
- Sufficient storage space
- Flexible student storage space
- Gyms, performance areas, meeting rooms, eating areas
- Create spaces for traditional interaction
- Balancing local and global
- Enhance personal relationships (student to student, teacher to student, administrators to students/teachers)
- Multiple options for scheduling and time management



21st Century Best Practices

Public education is at a critical point in history. We have transitioned from the industrial age to the information age, and as most organizations have already done, school districts across the country are considering changing the way they do business. School districts are investigating governance, curricula, organizational models, current and emerging technologies, the role of administration and their local communities to determine the effect each of these has on student performance.

These investigations have resulted in a series of educational “best practices” intended to provide students with the greatest opportunity for success. Implementing educational best practices can have a significant impact on facilities and should drive the design of the building. It is important to realize that buildings need to be designed for the future and that constant change requires flexibility to meet the ever changing demands of best practices, technology, instruction, delivery and learning. The following describes a few educational best practices, cites examples where they have been implemented, and expresses the impact each has on facilities. These best practices address the areas of:

- Curriculum
- Organizational Models
- Technology
- Administration
- Community Use



Unity Junior High School, Cicero, IL
FGM Architects

Curriculum: SCASD curriculum is mission-focused around agreed upon essential knowledge drawn from:

- Educational Research
- PA Academic Standards
- National Professional Organization Standards
- Business and Industry Standards
- Community Expectations
- Classroom Practices

Curriculum in the SCASD is revised through a continuous improvement process. Academic rigor is highly valued by the district and community, and is developed within each subject-based discipline, as well as integrated across disciplines. Emphasis on making connections to our students' future is clearly called for in our district's mission to: Prepare students for lifelong success through excellence in education.

Through our strategic planning process, the district has identified the following ten characteristics of a SCASD graduate:

- A responsible and involved citizen
- A clear and effective communicator
- A competent problem solver who thinks critically and

creatively

- A productive individual who works independently and collaboratively
- One who demonstrates respect for self and others in an increasingly diverse society
- A user of evolving technologies
- A knowledgeable practitioner of wellness behaviors
- An informed consumer and effective manager of personal and family resources
- A responsible steward of the environment
- A participant in the arts

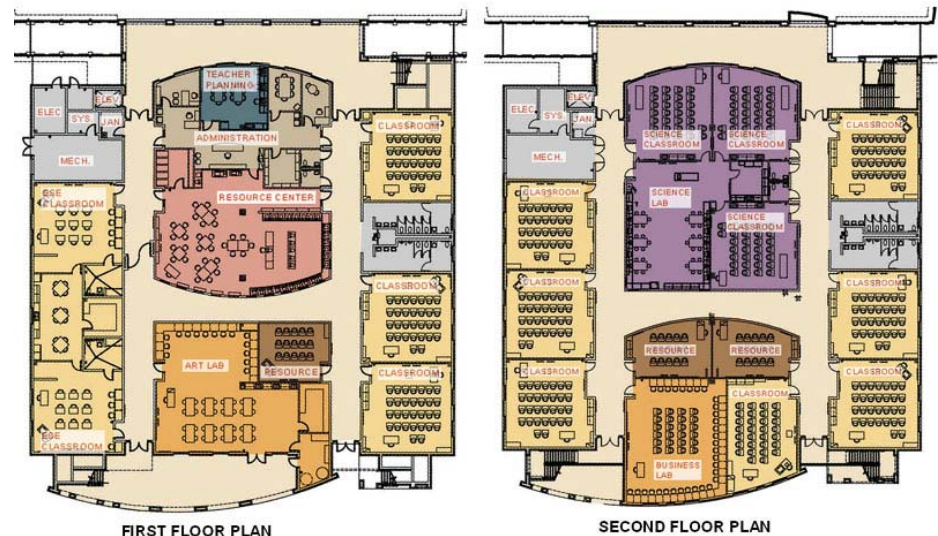
Best Practice: Best practices suggest that the core of the curriculum must offer both the substance and the practicality to prepare students for an unforeseen future. The curriculum should strive to meet individual student needs without compromising the broader learning goals outlined in the ten characteristics of a SCASD student listed above.

Facilities Impact: Adopting curricula that offer essential knowledge, integrated approaches, and connections to real life can have a significant impact on facilities. Facilities may require student production spaces for the creation of projects, small group rooms for collaboration, and large group presentation spaces for students to show their work.

Organizational Models: Provide student-centered pod / cluster approach

Best Practice: Student-centered approaches provide students with a variety of opportunities to learn and develop skills and competencies based on their individual needs. Organizational models include our current departmental structure, grade-level teaming, schools-with-in-a-school, and thematic approaches. Best practices might suggest that facilities be organized into clusters/pods/houses, instructional units comprised of classroom spaces, student production spaces, and teacher preparation areas. Best practices might also suggest that double-loaded corridor designs cannot provide the flexibility necessary to accommodate multiple organizational models nor can they foster the same level of cooperation, teaming, and sharing of professional resources as house designs.

Facilities Impact: Implementing these organizational models, specifically the house/cluster/pod concept, offers significant advantages to the delivery of curriculum and observation of students. While the impact implementing the house concept has on facilities is continually being evaluated in terms of major systems, it typically should not outweigh the educational advantages.



LEARNING COMMUNITY

New Chiles MS, FL
SchenkelSchultz Architects

(Diagram used for illustration purposes only)

Examples of Organizational Models

- **Departmental:**

In a departmental model, the academic subject content determines the classroom organizational pattern. With a focus on content, classrooms are grouped according to the subject taught, often with a department office in close proximity to the classrooms. This model facilitates intra-departmental collaboration.

- **Grade-Level Teaming:**

Grade-level teaming is based on organizing the building into separate grade-level units. Grade-level teams typically utilize an interdisciplinary approach. Each pod/cluster contains learning centers, regular classrooms, for each of the core academic content areas (i.e. mathematics, science, English, social studies). Students in each respective grade-level take their core academics in their house leaving only for specialty areas such as physical education, visual and performing arts, and technology education.

- **Schools-Within-A-School:**

Smaller schools or learning communities are housed in the same facility, but having separate governing bodies. Thus, a large school can be divided into smaller, more personalized units. The schools-within-a-school model provides an opportunity for more interaction between students and administrators and between administrators and staff. This allows the teachers to work cooperatively to best meet the needs of the students on their team.

- **Thematic Teaming:**

Thematic teaming is based on delivering curriculum within the context of a specific theme. Themes may include Science and Math, Fine and Performing Arts, or Foreign Language and Literature. A given school may have multiple themes or different themes for separate learning communities.



Technology: Create pervasive and integrated systems

- Access to voice, video, data, and electrical outlets provided in every instructional space
- Proficiencies incorporated into other content areas
- Utilize distance-learning opportunities
- Staff development

Best Practice: Technology continues to evolve and influence education. Technology has traditionally been perceived as a stand-alone content area with its own dedicated spaces. Best practices, however, suggest that technology should be incorporated into every learning space and into all curricula. Incorporating technology can accomplish two basic goals of education: linking traditionally isolated content areas and providing teachers with tools to explore more of Howard Gardner's multiple intelligences in their lessons.

Howard Gardner has indicated in "Frames of Mind" that there are several different types of intelligences (linguistic, mathematical, musical, kinesthetic, spatial, intrapersonal, interpersonal, and natural intelligence). Each person has strengths in some intelligences and weaknesses in others. Experts have indicated that students retain more information when several intelligences are involved in the learning process. For example, The NTL Institute for Behavior Science reports that students retain only 10% of what they read, but retain 90% of what they read, see, hear, experience, and teach.

Facilities Impact: Incorporating technology into all learning spaces and into all curricula can have a significant impact on facilities. First, all learning spaces would require access to voice, video, data ports, and electrical outlets. Second, infrastructure must be designed in such a way to allow access for maintenance and upgrades as technology continues to evolve.

Administration: Increase student contact and flexibility

Best Practice: As a result of recent violent crimes occurring in school facilities, school districts across the country are searching for both active and passive means of security. While not the only reason, best practices suggest that decentralizing administration serves this purpose. The decentralization of administrative services also provides the flexibility and opportunity for increased student contact, decreased student anonymity, and opportunities for passive supervision.

In addition, assistant principals, deans, and counselors form teams, are closer to the student and teacher, and can more efficiently use their time, expertise, and resources because their offices are located in the academic pods / clusters. Communication between administrators is no longer an issue as access to instructional information and student records and maintaining a positive and secure school environment can be achieved through the effective use of technology.

Facilities Impact: Decentralizing administration affects facilities only by the necessity to relocate offices and support spaces within each learning community and/or other areas.

Community Use: Instill a sense of participation, ownership, and pride

- Cooperative Alliances
- Youth Services
- Shared Decision-Making
- Community Service Volunteers
- Parent Involvement
- School/College Partnerships
- Polling places for elections

Best Practice: Best practices suggest that facilities should serve not only as an instructional centers for students, but also as user-friendly centers of the communities. Facilities should provide programs and access to resources for adults, businesses, and other community organizations. Community/school partnerships are playing an increasing role in secondary school facilities. These partnerships provide students with expanded learning opportunities, professional development opportunities for staff, and a venue for community activities.

Facilities Impact: Providing access to and forming partnerships with the community can have a significant impact on facilities. Additional spaces such as parent or community volunteer rooms, community locker rooms, and storage spaces may be necessary. In addition, for security purposes, community access may require careful attention to the organization of the facility. Community accessible portions of the facility may need to be located in areas that permit the remainder of the facility to be secure before, during, and after school hours.



(Photograph used for illustration purposes only)

21st Century High Schools

The educational specifications committee worked in small groups to identify common values that must be incorporated into a 21st Century high school. Themes to describe a 21st Century high school developed from these common values: flexibility, technology, project-based/applied learning, student empowerment, sustainability, aesthetics, safety and security, and partnerships.

Flexibility

- Physical structure of building
- Customized education for each student
- School year
- School day
- Facilities
- People
- Spaces
- Student spaces
- Scheduling
- Curriculum development
- Faculty spaces
- Ability to team teach
- Seating configurations
- Textbooks vs. databases
- Learning options

Technology

- Large technology budget
- Student access to technology
- Teachers are proactive with technology needs
- Current with Technology
- "Laptops" for every student - 1 to 1 computing
- Wireless
- Virtual Teachers/classes
- Sympodiums

- Convenient energy sources
- Acoustics and microphone uses
- Teleconferencing
- Mounted projectors
- Teacher in-service
- Building should evolve with technology
- Wired to monitor energy uses
- Possibility of paperless school



Grayslake North HS, IL
FGM Architects

Project-based/Applied Learning

- Project enabling spaces in every area
- Spaces for creative thinking
- Collaborative spaces
- Senior projects (possibly community based)
- Interdisciplinary courses
- Entire school as a lab
- Teacher collaborative time
- Inquiry topic to prepare students for senior projects/after school life
- Individualized options and programs
- Student need based instruction
- Outcome based instruction
- Real life based instruction
- Habits of the mind, processing skills
- Authentic instruction
- Real world instruction
- Prepare students to thrive post high school
- Internships
- Community/business partnerships
- Businesses on site
- Research and design space
- Integration of spaces – black box, media, natural areas, small spaces
- Production facilities
- Building itself is an opportunity for learning

Student Empowerment

- Specialized student spaces
- Choices for learning
- Common areas where students and teachers are together in a non-instructional climate
- Student need based teaching and learning styles
- Comfortable spaces

- Available resources for every student
- Fitness/wellness center
- Security vs. independence
- 9th grade as a bridge to high school
- Places where students want to be
- Stimulate independent learning and creativity
- Cultivate student voice
- Student government office
- Outdoor facilities for wellness
- 21st century skills
- Social and cross cultural skills
- Responsibility
- Inquiry
- Opportunities to still be kids
- Positive environment around schools

Sustainability

- Natural lighting
- Attitude of adapting to change quickly
- Appropriate uses of space
- Walkable environments
- Closer proximity
- Space, free time to introduce health and fitness
- Geothermal heating supplies
- Low maintenance materials
- Less chemical use
- Low maintenance grounds
- Storm water as learning opportunities
- Low light pollution
- Less square footage
- Universal design – access to entire building
- Atrium/skylights
- Noise control systems in halls and classrooms
- Flexibility of areas

Aesthetics

- Warm and inviting spaces
- Visually pleasing

Safety and Security

- Internal locks or keyless
- Windows in classrooms
- Passive security – building layout, not many blind spots, interior windows, etc.
- Active security – motion detectors, cameras, electronic systems, etc.

Partnerships

- Working with community
- Working with business
- Family and parent space for collaboration
- Endowment
- Proximity to external institutions for educational possibilities
- Programs responsive to community needs

Student Spaces



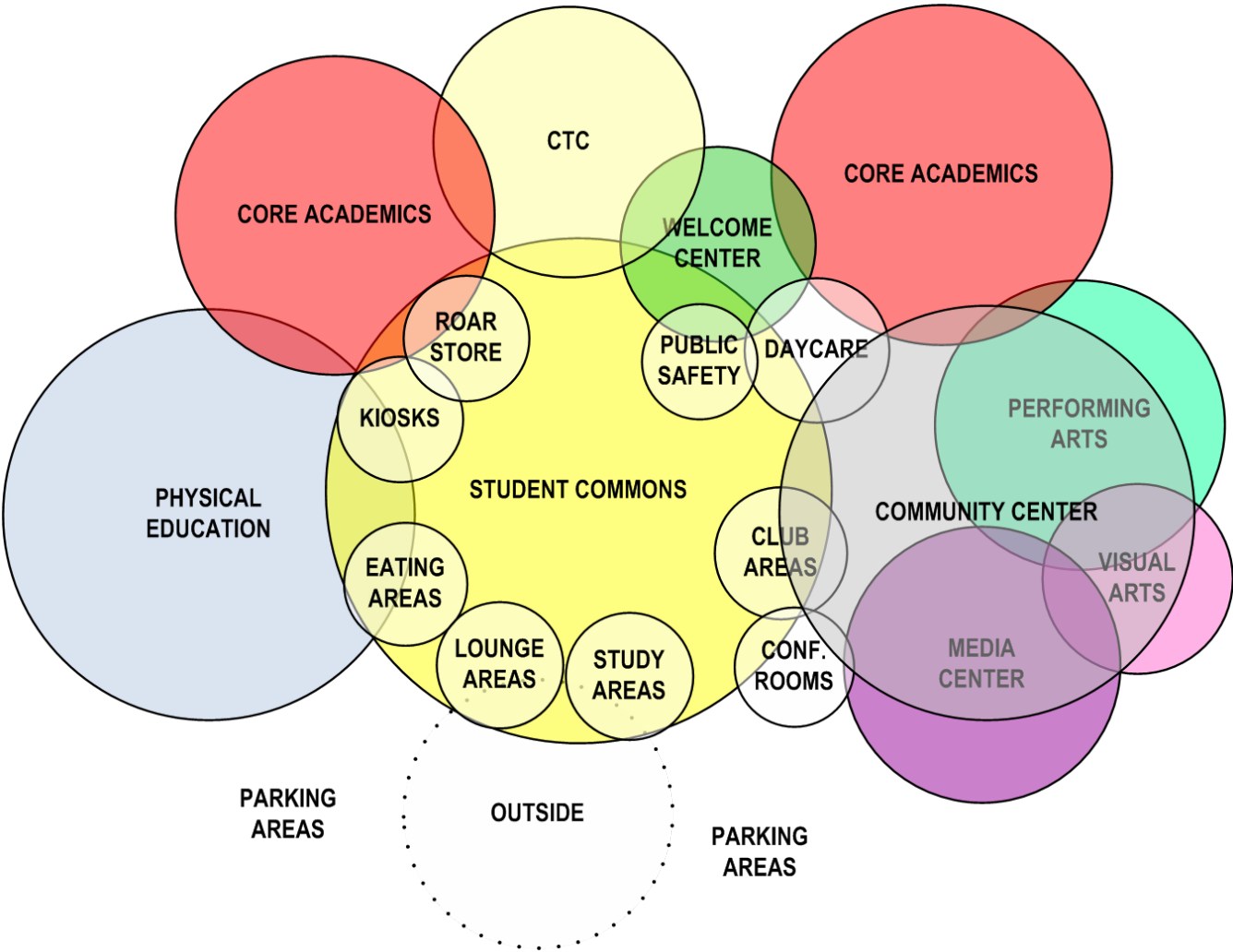
High school facilities should provide a comfortable space for students to work in groups or individually, eat lunch, meet friends, and access other school and student services. A centralized hub of activity serves many different functions and can be utilized throughout a school day and during after hour events. The commons should have access to related multi-use facilities including the auditorium, media center, and physical education areas. Other student focused spaces including the Roar Store and Daycare program should be located adjacent or within the commons. Announcements and advertisements will be focused on the commons.

Additional student spaces throughout the school may be utilized, including small student-run kiosks and student work areas. Classroom spaces should be flexible to allow for differentiated learning styles, including more discussion and peer tutoring.

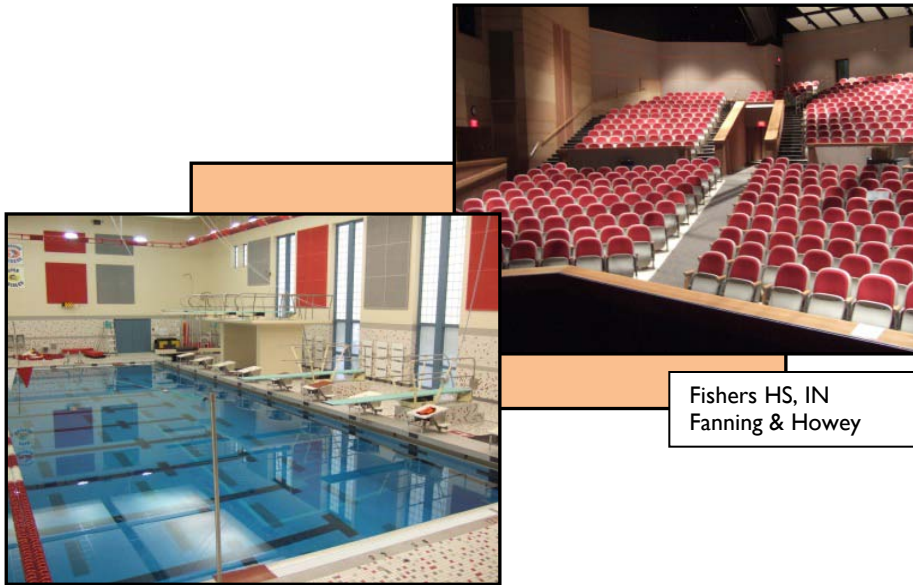
Other student recommendations for high school facilities:

- Smaller classes with less lecture style – more discussion
- Real world experience (senior project) – a culminating experience during a student's final semester (no longer a traditional schedule)
- Building should be student centered
- Distribute administration
- Separate 9-10 from 11-12 – maintaining separate cultures is important, counselors still follow students as they have increasing responsibility and independence
- Focus on transition to ninth grade – peer assistance should be utilized (possibly as part of the commons) as a safe dialogue, they should be encouraged to get involved early and made aware of all opportunities
- Plentiful activity and club opportunities – students should be involved in many clubs, possibly require every student to join a club, and clubs and activities should have dedicated offices and other appropriate facilities.
- Lots of natural light – outdoor lighting, skylights, windows, green roof, green technology, composting, recycling should all be utilized
- Scheduling – fewer/longer classes, more transition

The following diagram represents the relationships of student spaces. These relationships depict the student commons as the central hub to the rest of the school facility.



Community Use



(Photographs used for illustration purposes only)

It is anticipated that high schools will be used for a variety of community uses. Community involvement in education can take a variety of forms before, during, and after the school day. Additionally the school district would not have to pay for space elsewhere for banquets, PTA events, retirement events, student recognition events, if these types of spaces were available.

The following is a partial list of potential community uses:

- Mentoring Programs.
- After School Youth Enrichment.
- Speech/Debate Clubs.
- Pageants.
- Child care (staff, community).
- Parks & Recreation Programs.
- Outdoor Festivals.
- Intramural Sports Programs.
- Dance Recitals.
- Open House Activities.
- Adult Education.
- Community Meetings and public hearings.
- School Board Meetings.
- School/Business Partnerships.
- Health Screening.
- Special Seminars.
- Voting.
- Teacher Training.
- Professional Development.
- Testing.
- Rental space for churches, local arts groups, sporting events.

The areas in schools that have the greatest possibility for community usage include:

- Gymnasium.
- Auditorium.
- Large Group Instruction (LGI).
- Cafeteria.
- Media Center.
- Conference Rooms.
- Foyer/Entrance.
- Playfields/Stadium.
- Parking Lots.

Special considerations include:

- Disaster and emergency use.
- Configure and zone facility and site to enhance parking and circulation, security, and energy conservation.
- Adequate signage to assist community members.
- Layout of community use areas should be of a "user friendly" design.
- Storage for community functions –gym; auditorium; community use.
- After-hours lighting for parking areas.
- Extended hours – (6 am – 3pm typical day vs. 7 am – 11pm for all)
- Joint use.
- Mixed use.



(Photograph used for illustration purposes only)

Public Spaces



(Photograph used for illustration purposes only)

There are many components of the school which could be considered public as they affect all who enter. Some of these, such as natural lighting, good air quality, good acoustics, and good heating and cooling systems are essential to provide comfort and a healthy environment.

Other more visible components, such as choice of colors, display and showcase areas, durable yet comfortable furnishings, use of glass, and lockers that do not block the view, make the school more inviting and appealing.

Still other components, such as appropriate interior and exterior signage, ensure good wayfinding for students, staff, and visitors. Electronic screens are also helpful in communicating current news and announcements to anyone in the building. Appropriate sidewalks and pathways should be designed on the site to provide logical pedestrian traffic patterns. Parking should be strategically located to provide separation for staff, students, and visitors, and to provide convenient event parking for off hours.

Along with wayfinding, comes the need for security and safety. This can be achieved in many ways through the arrangement and adjacencies of the various types of spaces to the intentional use of cameras, swipe cards, motion detectors, and security gates for off hours.

Energy saving practices such as water use reduction in restrooms, optimal heating and cooling, and lighting controls should also be considered.

These components, some obviously more visible and more tangible than others, provide a sense of belonging, a sense of comfort, a sense of security, and a sense of welcoming to all who enter the school.

Technology

Today, technology is used extensively to help students learn basic and critical thinking skills. In the near future, the applications and capabilities of educational and information management technology will increase dramatically. Today, the majority of jobs require at least some technology proficiency and as such, it is expected that students will leave school with the ability to work with and use technology.

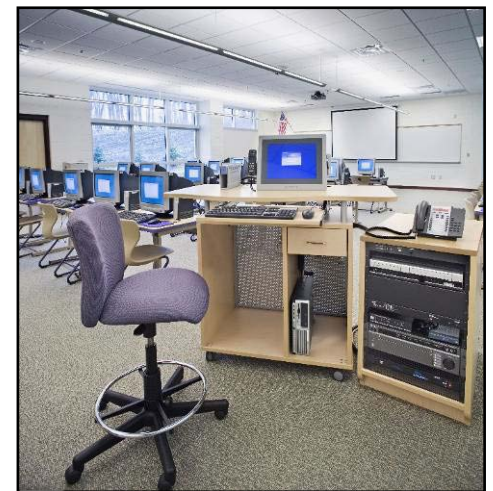
The implementation of voice, video, and data throughout school facilities is becoming a standard in schools across the country. Appropriate and strategically designed and installed technology will greatly enhance the teaching and learning of basic and advanced skills and position a school to take advantage of technological developments in the future.

To take advantage of technology, schools will need comprehensive staff development programs and training; student access to technology applications; updated hardware and software; wireless access points, updated school wiring and internet access; integration of technology into the academic content standards; home to school access; technical support personnel at the school level; and a security system that encourages use and protects the investment.

All classrooms should be multi-use/multi-purpose with invisible technological support. There should be a seamless web of technology to support the classroom management between administration, teachers, students, and the home.

Research suggests that multi-sensory teaching is most effective in mastery of basic skills. Technology supports visual, auditory and experiential learning; therefore, it is recommended that all instructional spaces have voice, video, and data accessibility. This access enhances the flexibility of the learning environment to respond positively to alterations in the use of space. The wiring and other infrastructure components should be the highest priority, including wireless networks. The facility should have surplus electrical power capacity and network wiring/bandwidth to permit expansion of technology.

It is important that all students demonstrate technology skills appropriate to their grade level. Students will be expected to possess technology skills, as defined and assessed through authentic learning opportunities and applicable technology.



Technology Components

Voice: Telephone and voice communications in every classroom and workspace to support internal and external communications. Voice and data should be integrated so that typical phone drops are replaced with network data drops.

Video: Video distribution in every classroom and throughout the building with interactive video capabilities to support whole and small group instruction, distance learning, and providing access to a wide range of internal and external resources. The building data network is increasingly being utilized to accomplish video distribution.

Data: Data retrieval capabilities in every instructional space throughout the building as well as network capabilities to access external resources (i.e. Internet).

Today's schools are equipped to support management and instructional applications. Current voice, data and video systems can provide leadership, instruction, data management, internet access, and student services which go far beyond the systems in schools that were constructed as recently as the late 1980s. Technology is becoming increasingly useful and appropriate to the student and the educator. As home and business worlds move into higher levels of technological applications, it is critical for schools to be equipped and play a leadership role in the integration of technology into the teaching, learning, and communication processes.

Technology & the Learning Environment

Technology greatly enhances the learning environment. Technology, in the typical classroom, can support multiple instructional designs.

Whole Group Instruction [20-30 students] – This includes the use of document readers, computer projectors, DVD players, flat screen monitors, LCD flat panels and various forms of computer display techniques.

Small Group Instruction [6-8 students] – This includes areas in the classroom and in shared common spaces, which a teacher or another resource person can work with groups of 6-8 students. The technology is essentially the same as whole group instruction technology, the only difference being the size of the groups.

Individualized Instruction [1-2 students] – This is primarily a computer-based instruction design where students interact with a computer. As all forms of technology become more and more digitized, it is envisioned that these will be multi-media computers that integrate voice, video, and data formats as well as having high-speed Internet access. Technology will comply with accessibility for students with special needs that are included in the classroom.

The following diagram represents typical technology applications found in schools today.

(Diagram used for illustration purposes only)



Classroom

It is recommended that all classrooms have voice, data, wireless internet, and video accessibility. This will enhance the flexibility of the learning environment to respond positively to alterations in the use of space. Infrastructure,

systems and cabling are typically funded as capital projects.

The following components should be included in each classroom:

- One teacher workstation with two data drops
- All network wiring to be CAT 6
- 1 wireless access point – ceiling mounted
- Face plate switches
- Audio classroom enhancements
- Student computer work stations or laptops
- DVD port
- Document readers
- Ceiling mounted projector with data drop in ceiling
- Projection screen
- Mounted Digital Interactive Whiteboard with USB connection to teacher plate
- 2 data outlets for laptop carts
- 1 data outlet for networked printer
- 1 data outlet wall plate for IP or Digital phone

Careful attention should be given to furnishings, i.e., student desks, specialized or customized cabinetry, location of data ports, white boards, and monitors.

Alternative wireless configurations where all staff and students are issued a personal computer/multimedia device should also be considered.

Offices

Office areas have the following needs:

- Appropriate CAT 6 data drops
- 4 networked data drops for attendance
- 1 wireless access point – ceiling mounted
- Electric power availability (quad per drop)
- 1 data outlet wall plate for IP or digital phone
- Capability to support computer, network, printer, and fax
- Staff workstations or laptops
- Telephones
- Security video system (main & security office only)
- PA system
- Audio system
- Data drop for fax machine
- Capability to support high speed networked copier
- One office voice lines, independent of electric power for emergencies



(Photograph used for illustration purposes only)

Conference Areas

Conference areas should include:

- Four CAT 6 data outlets (1 at each end of room; 1 for networked printer; 1 for IP or digital phone)
- 1 wireless access point – ceiling mounted
- Electric power availability [quad per drop]
- Ceiling mounted multi-media projector with data drop in ceiling
- Projection screen
- Conference/speaker phone

Cafeteria / Commons

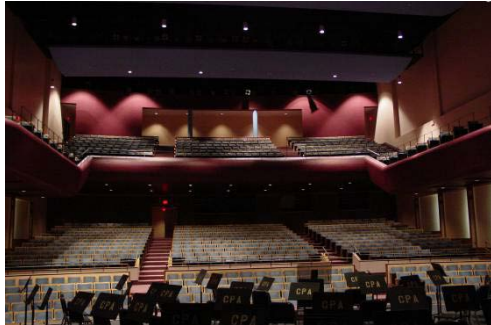
This space should have the following equipment:

- Video ports and monitors that can be used for video displays of electronic bulletin boards
- CAT 6 data drops
- Data outlets in pairs (computer and phone) for each serving line
- Wireless access points mounted in ceiling
- 1 data outlet wall plate for IP or digital phone
- Telephones (voicemail capability in Cafeteria Office)
- Phone line to monitor refrigeration systems
- Mounted LCD and workstation
- Centralized control panel for video and data
- Large, electronically controlled screen

Auditorium

The auditorium should include:

- Video projection capability
- PA system
- Audio system
- Theatrical lighting system
- Storage space



(Photograph used for illustration purposes only)

Gymnasium

The gymnasium should have the following equipment:

- Video ports and monitors that can be used for video displays of electronic bulletin boards
- 2-3 video and CAT 6 data drops
- Video projector
- Large, electric front projection screen concealed and flush with ceiling
- One data wall jack for phone, connected to loud bell ringer; cage mounted to protect phone
- PA system
- Audio system
- Centralized control panel for scoreboard and video

Technology Control Room

The Technology Control Room will securely house Uninterruptible Power Supplies (UPS), communication and system servers, PBX, video system, network router, and network switches. In addition, this room will have additional cooling systems to maintain a consistent room temperature, 24 hours a day.

Furniture will consist of equipment racks, worktable, and monitor stand. All equipment must be located by ample electricity and have an assessable diameter of 4-5 feet.

A building generator should provide adequate continuous electrical service to maintain operations of equipment in the Technology Control Room.

Wireless Access Points [APs]

The following locations contain the recommended number of wireless access points, all to be ceiling mounted:

- Public areas (media center, cafeteria, auditorium, gym) at least 2 APs)
- Computer labs – 1dedicated AP
- General classrooms – 1 AP per room
- Typical load – 30 users per AP

Safety and Security



(Photographs used for illustration purposes only)

There is a high interest in maintaining an inviting and deinstitutionalized environment, while simultaneously providing a safe environment for students, staff, and community who use the facility and adjacent support services. The organization of a building will have a major impact on student behavior and safety concerns. Building security can be addressed in an active or a passive manner: active security is based on security systems; passive security is based on program design, building layout, and community participation. Schools should be based on passive concepts with applied active concepts where necessary.

If we deal with the symptoms of the problem, we tend to focus on the active security procedures that can be implemented. If we deal with the cause of the problem, we are likely to address most of these issues through passive or program and building layout solutions.

The problems and their causes are multi-dimensional: some issues can be more easily addressed in design more than others. Causes include, but are not limited to, family problems, lack of sense of belonging, lack of identity, lack of communication, lack of accountability, lack of student/teacher relationships, as well as criminal activities by outsiders. Passive program and building layout should be the primary focus and active security systems the secondary focus.

Since the greatest number of discipline problems in a school occurs when students switch classes and have to travel from one end of the building to the other, having students spend the majority of their day in one section of the building, reducing movement will result in fewer discipline problems. Teams of teachers having responsibility for the same students improve the student/teacher relationship and results in greater continuity and monitoring of behavior issues.

Organizing a building into teams or clusters results in a number of changes which will reduce behavior problems:

- Teacher preparation areas place adults in closer and more direct contact with students.
- Utilizing a decentralized administration approach provides the opportunity to have counselors, and/or assistant principals easily accessible to students in the academic clusters.
- Students have a greater sense of belonging and identity. For the majority of the day, their place is in the cluster/house.
- School pride becomes more apparent.
- Block scheduling is commonly utilized in secondary schools and also helps reduce pedestrian traffic within the building.
- Hidden or underequipped spaces are avoided.

The glass wall into the administration reception/waiting area in the pictures below provides good visibility of the main entrance. It serves a dual purpose of being inviting and welcoming to visitors while allowing administrative staff to monitor access during school hours. Way-finding is crucial to a successful school facility. The front entrance and reception area should be immediately obvious to anyone approaching and entering the building. Similarly, strong glass can provide security and visibility.



(Photographs used for illustration purposes only)

CROSSWINDS MS, St Paul, MN

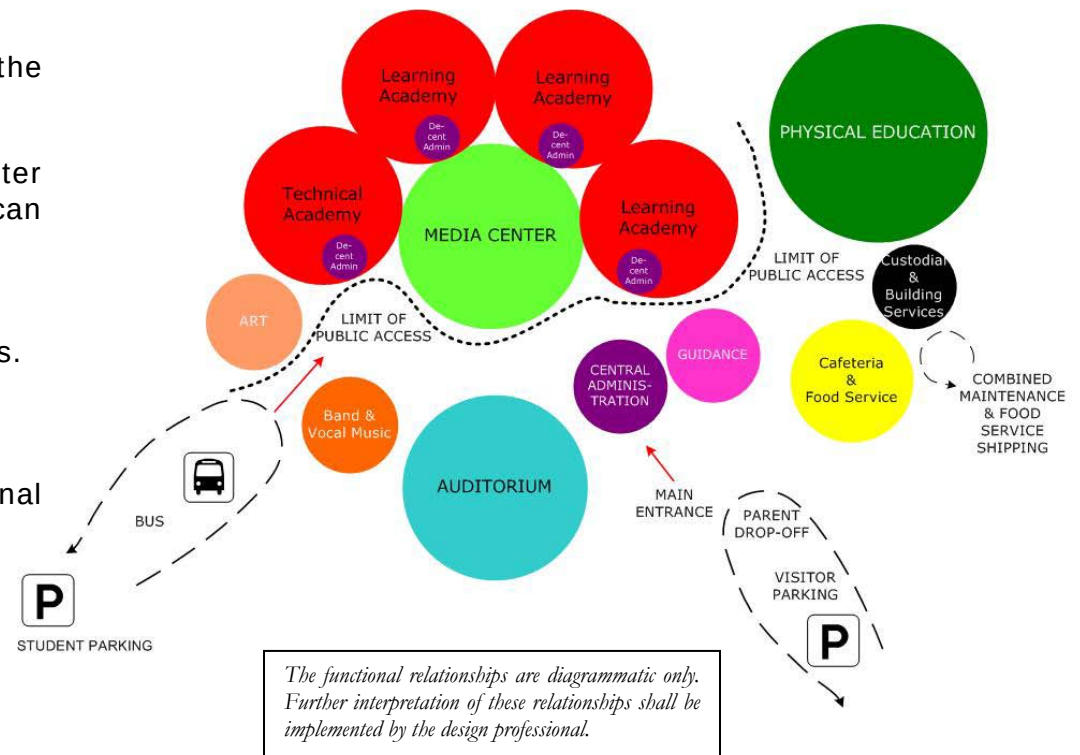


Passive Security Concepts

Building Layout

- Avoid blind spots, corners, and cubby holes [inside or outside].
- Locate administrative and teacher preparation with good visual contact of major circulation and gathering areas [i.e., corridors, cafeteria, bus drop-off, parking].
- Develop spatial relationships in such a manner that there are natural transitions from one location to another.
- Locate toilets in close proximity to classrooms.
- Design toilets to balance the need for privacy with the ability to supervise – open restrooms (i.e. airports)
- Locate staff restrooms close to student restrooms.
- Locate areas likely to have significant community [after school] use close to parking and where these areas can be closed off from the rest of the building.
- Provide for natural integration of students and staff.
- External exits from offices.
- Wide, naturally lighted stairwells in multi-story buildings.
- Ability to partition unused portions of building.
- Avoid external exit for toilet rooms.
- Avoid easy access to roofs.
- All separated buildings should be connected via external walkways.

This example below illustrates a cluster approach. Having teacher workrooms, commons area, restrooms, and storage integral to the cluster, reduces traffic and increases safety and security.



Types of Building Materials

- Use durable wall surfaces that are easy to clean so graffiti can be removed.
- Incorporate pitched roofs which inhibit roof entry and are aesthetically pleasing.
- Limits size of windows – use multiple smaller windows rather than one large window.
- Use safety glass or glass bricks.
- Glaze or tint windows.
- Install non-slip floors at point of entry.
- Handicapped accessible entrances.
- Ventilation system adequate to handle size of school.
- Sound device warnings for doors other than main entrance.
- Safe building materials.

Vehicular and Pedestrian Traffic

- Separate bus drop-off area from other vehicular traffic.
- Separate and adequate staff, student, and community parking area, located in appropriate areas.
- Separate student [pedestrian] traffic flow.
- Consider impact on safety of “closed” campus vs. “open” campus.
- Protect playfields from vehicular traffic and parking.
- Additional exit specifically for sporting events (quick exits = less chaos/fights).
- No portables
- Outdoor restroom facility (centralized)

Uses of Technology

For instructional and administrative purposes, the school should have extensive technology systems. These same infrastructures and technology components can be use to enhance building security.

- Phones in every instructional and support area.
- Building-wide all-call designed to be heard throughout the school and on the play fields when needed.
- Motion or infra-red detectors.
- Video cameras for security purposes
- Smoke and heat detectors located throughout the building for central monitoring.
- For access control into the building, there are alternatives to keys, such as access control cards. These are plastic “swipe cards” and proximity cards, both of which can be used as identification cards. The swipe card is placed in a machine, while the proximity card simply has to be used close [usually three to seven inches] to the reader to unlock a door. The cards are coded to allow entry to appropriate doors at selected times. Only one card is required for multiple entry points. Used in conjunction with the card is the controller, which monitors alarms, and the software, which is customized for the application [establishes parameters, maps input-output points, enters phone numbers for dial-up site]. Other approaches include a battery-operated lock that requires a numerical code on a keypad.
- Wiring for CCTV in all hallways, offices, and parking area.
- Securable lobby area.
- Programmed swipe cards used for doors.

- Electronic student identification system. All students to wear ID's.

Combustibles Storage

- Provide detached, fire-proof, building to store combustibles: paint, solvents, laminates, gasoline, etc.



*Mountain View ES- Johnson City, TN
Ken Ross Architects, Inc.*

The images left and below are examples of exterior and interior lighting usage to create a warm, safe, and inviting environment.



(Photographs used for illustration purposes only)

Landscaping, Playing and Practice Fields, Site, and Lighting

- Use high trees and low bushes (less than three feet high) to deter hiding. Eliminate trees at entrance.
- Use aesthetically pleasing fencing around perimeter of the building. Avoid barbed wiring.
- Consider placing some buildings or a tree buffer along the perimeter of the property to avoid extensive fencing, where feasible.
- Non-intrusive lighting of all area (not correctional-type lighting).
- Emergency lighting/power in hallways, stairwells, and rooms.
- Provide security lighting around building and parking lots with photo cell timer with on/off capacity.
- Provide efficient lighting for outdoor venues.
- Separate athletic fields and informal gathering areas.
- Locate athletic facilities away from building.
- Recess building on site to avoid vehicular and pedestrian conflicts.

Council Rock HS – Richboro, PA Gilbert Architects



The image above is an example of using low bushes and high trees as landscaping features that deter hiding.

Green Sustainable Schools

On October 13, 2008, the State College Area School District Board of School Directors on sustainability and the design and construction of high performance schools. This resolution recognizes the District's achievements in this area, and resolves that all future school facilities must meet LEED silver building standards, with the focus on:

1. Student performance and staff health through measures such as natural lighting, the use of non-toxic emitting materials, and sound insulation or isolation to minimize noise and enhance classroom acoustical quality;
2. Operation cost minimization, through resource and energy efficiency;
3. Minimizing the impact of District operations on the environment;
4. Taking advantage of local, State, and Federal financial incentive programs



Green schools are healthy for students, teachers and the environment. Built right, green schools are productive learning environments with ample natural light, high-quality acoustics and air that is safe to breathe. Schools everywhere are going green, nurturing children while saving money.

(Photograph used for illustration purposes only)

The U.S. Green Building Council [USGBC], a nonprofit organization works to move the building industry toward sustainability which is the design and construction of buildings that are environmentally responsible. Green design refers to design and construction practices that significantly reduce or eliminate the negative impact of buildings on the environment and occupants in five areas:

- Sustainable site planning
- Safeguarding water and water efficiency
- Energy efficiency and renewable energy
- Conservation of materials and resources
- Indoor environmental quality

The USGBC developed and maintains the LEED Green Building Rating System. LEED is the national benchmark for green buildings promoting sustainable design and construction. The objective is to:

- Reduce impacts of natural resource consumption
- Protect air quality and water quality, biodiversity, and ecosystem health
- Improve economics of building operations, asset value, worker productivity, and the local economy
- Enhance building occupants health and safety, relating to risk management
- Minimize strain on local infrastructure such as landfills, water supply, storm water sewers and related development and costs; decrease transportation development and maintenance for roadways, and

encourage better performance of mass transit systems.

The LEED for Schools Rating System recognizes the unique nature of the design and construction of educational facilities and provides verification that a building project, whether new or renovated, is sensitive to the environment. It addresses such issues as classroom acoustics, mold prevention, environmental site assessment, and other matters related to school design and operation.

Green schools are healthy places to learn, to teach, save money, provide hands-on learning and are environmentally friendly.

Planning Principles

Following are planning principles employed by school districts when renovating or constructing new schools.

Sustainable Sites:

- Construction activity pollution prevention
- Protect or restore habitat
- Stormwater design [i.e. using existing natural features such as ponds and creeks enhanced by constructed basins, and lot-line swales over gutter-and-pipe engineering]
- Joint use of facilities

Water Efficiency:

- Water use reduction [i.e. use collected rainwater or gray water for toilet and urinal flushing or other non-potable uses]

Energy & Atmosphere:

- Optimize energy performance
- On-Site renewable energy [i.e. geothermal, hydroelectric, solar, wind]
- Green power [i.e. purchase of green electricity]

Materials & Resources:

- Storage & collection of recyclables
- Building reuse
- Construction waste management
- Regional materials
- Rapidly renewable materials [i.e. bamboo flooring, cork wall covering]
- Certified wood [wood/paper that comes from good forest management]

Indoor Environmental Quality:

- Increased ventilation
- Outdoor air delivery monitoring
- Low-emitting materials
- Lighting system design & controllability
- Thermal comfort design & controllability
- Daylight & views [75-90% of classrooms & other spaces]
- Enhanced acoustical performance
- Mold prevention

Innovation & Design Process:

- Innovation in design – project specific
- LEED accredited professional
- School as a teaching tool [i.e. high school students learn about alternative energy from the solar panels on their roof]

This school building uses native plants and natural wild flower grasses in the landscape as well as provides water quality treatment on site with an outlet into an existing creek.

Source: Multnomah Education Service District, Dull Olson Weekes Architects, Portland, Oregon



Site



FGM Architects

(Photographs used for illustration purposes only.)

The Architect of Record for the school will be responsible for location of school renovations and construction on the site as well as site issues including topography, drainage, pedestrian and vehicular traffic, bus drop-off and pick-up areas, service entry, and safety of playground areas.

Design Considerations

- Separate faculty and visitor parking areas.
- Student parking
- Student management/security in lots – staff, faculty, visitor parking lots
- Separate drives for parent drop-off and buses.
- Provide blacktop area.
- Exterior lighting.
- Fire vehicle access.
- Fencing around school, aesthetically pleasing.
- Service entry.
- Low maintenance landscaping
- Use of adjacent properties.
- Location of utility “boxes” such as electrical transformers.

Lighting

- Include exterior security lighting with motion detectors and/or photo-cell timer for parking lots and exterior of building.
- Provide appropriate lighting for walkways.
- Provide lighting that is easy to maintain and secure against vandalism.
- Must be easy to maintain and service.

Traffic Flow

- Car, bus, and service vehicle traffic must be separated.
- Vehicular and pedestrian traffic must be separated.
- Consider access by fire department emergency vehicles when planning site circulation.
- Provide drive-up access for large items in areas such as Food Service and Custodial/Maintenance.
- Provide adequate areas for entering and leaving play fields.
- Separate drop-off for special education buses.
- Sufficient length in drop-off for bus stacking.
- Corridor locations off public transit stops, with a hard surface waiting area.

Parking

- Adequate and separate parking facilities should be provided for visitors, staff, and students.
- The school site must provide adequate areas for entering and leaving, parking, and play fields.
- Consider covered walkways from car and bus drop-off areas.
- Comply with regulations for handicapped access.
- Consider bicycle racks.

PARKING REQUIREMENTS

Type	Calculation	# of Spaces
Staff	# Students/10	Approx. 300
Visitors	2% of Student Pop.	50
Students	25% of Student Pop.	At least 600

Landscaping

- Design irrigation of athletic fields, lawn, and landscaped areas.
- Create landscaped areas that are sustainable from natural rainfall and minimize use of an irrigation system where possible.
- Low-maintenance landscaping plantings.
- Consider outdoor spaces as an extension of the classroom and opportunities for exploration and education.
- Recycling facilities.
- Student-friendly.
- Places to rest and read.
- Trees for shade.
- Benches around trees.
- Sufficient green space.

Sheltered Areas

- For inclement weather.
- Eating lunch.
- Outdoor classwork.
- Before/after school activities.
- Walkways between buildings.
- Away from noise.
- Equipment storage

Outdoor / Athletic Fields

- Baseball (Dual) - 2
- Softball (Dual) – 2
- Football (Varsity/Junior Varsity) – 2
- 9th Football – 1
- Girls Soccer – 1-2
- Boys Soccer – 1-2
- Field Hockey – 1-2
- Stadium – 1-2 (Large/Small) [Off-site]
- Track and Field – 1-2
- Cross Country Course – 3,200m
- Cross Country Bike Course - 1
- Tennis – 14 courts
- Walking Course – 1
- Outdoor Adventure Ropes/Climbing Area – 1
- Outdoor Classroom(s)
- Driver's Education Range
- Marching Band Area
- **Landscaping:** multi-turf stadium/competition field (i.e. softball, soccer, lacrosse, track & field events; sustainable landscape or adequate irrigation factored in.



Grayslake North HS, IL
FGM Architects

Aesthetics



(Photograph used for illustration purposes only)

The indoor and outdoor structures and spaces where students go to school need to be aesthetically pleasing and healthful settings. The facility should be inviting to the students, making them feel that the space is special, and therefore emphasizing that each individual is important. Aesthetics that affirm the value of the individual must be stressed, with spaces for the admiration of the accomplishments of self and others. The school should

resemble a place for academic success, high self-esteem, social interaction, and physical safety. The facility layout should be especially easy to comprehend and reflect how classes relate to one another in order to minimize the lost feeling common in students. Spaces should be provided for socialization among students and with teachers. Spaces should also be provided to display student work.

Variety of Instructional / Learning Spaces

Ongoing assessment of student progress will require facilities to be able to adapt to a changing program. Multi-use of buildings should be the norm. Spaces should allow for a wide variety of specialized instructional and hands-on learning experiences.

Today, students do not just work in groups of 20-25. As technology continues to advance, students are becoming more involved in extensive individual learning activities that are supplemented by small group (2-6 students), moderate group (10-20), and large group (50-150) activities. Space should be provided for students to plan, work independently and collaboratively, give and/or receive tutoring as well as accept instruction.

Staffing Patterns

The predominant staffing pattern is composed of teachers, supplemented with paraprofessionals and specialists. As the programs and groupings change, a more differentiated staffing pattern may emerge with lead or master teachers and more specialists and paraprofessional facilitators.

Indoor and Outdoor Learning Environments

By rethinking spaces, better use of facilities can be made. Some ideas include: use gardens instead of pavement and use hallways as art galleries or museum strips. Creativity and functionality should work hand-in-hand. Color, greenery, building materials, and furniture should be selected carefully to develop a pleasing and inviting atmosphere.

The learning environment should be student-centered and designed for "hands-on learning," promoting student autonomy and independence. Space for active participation should be incorporated with modular, flexible classrooms providing opportunities for integrating disciplines and easy access to tools of exploration. The outdoor site should serve as a pro-active learning environment as well. Outdoor spaces with benches, sheltered areas, and amphitheaters can be incorporated in the design.

Learning from Others

Modern office environments provide greater insights into flexibility than current school environments. Many of their concepts should be taken into consideration:

- Demountable, movable wall systems.
- Modular furnishings.
- In-floor wiring.
- Non-load bearing wall systems.
- Raceways, cable trays.
- More generic space that can be adapted to specialized uses.

Planning Principles

Following are planning principles employed by other districts when developing school facilities and sites:

- Building orientation important - obvious focal point/main entrance. Front of building should be facing where public can see it.
- Good signage – marquee board (with directions on how to find entrance and location within the facility) – good directional/informational signage inside and out.
- Welcoming area by front door. Welcome area open, using spacious hallways and common areas.
- Create easy access for parents/community.
- Pleasing, warm, inviting, soothing colors.
- Visually appealing, both internally and externally.
- Cove lighting in corridors.
- Arched ceilings in corridors.
- Lighting – natural – skylights, glass, windows, open areas.
- Enclosed media center with skylights.
- Student art work – several showcases around school to promote student achievement.
- Plants – artificial and real.
- Classroom –tile with soothing pattern and color; comfortable furniture.
- Complimentary carpet and tile mix appropriately used throughout the building.
- Top windows operable.
- Student spaces should be equipped with technologies for student use.
- Transparent spaces.
- Landscaping – good upkeep.
- Dumpster not visible.
- Separate access road for deliveries.

Overall Building Compilation of Space

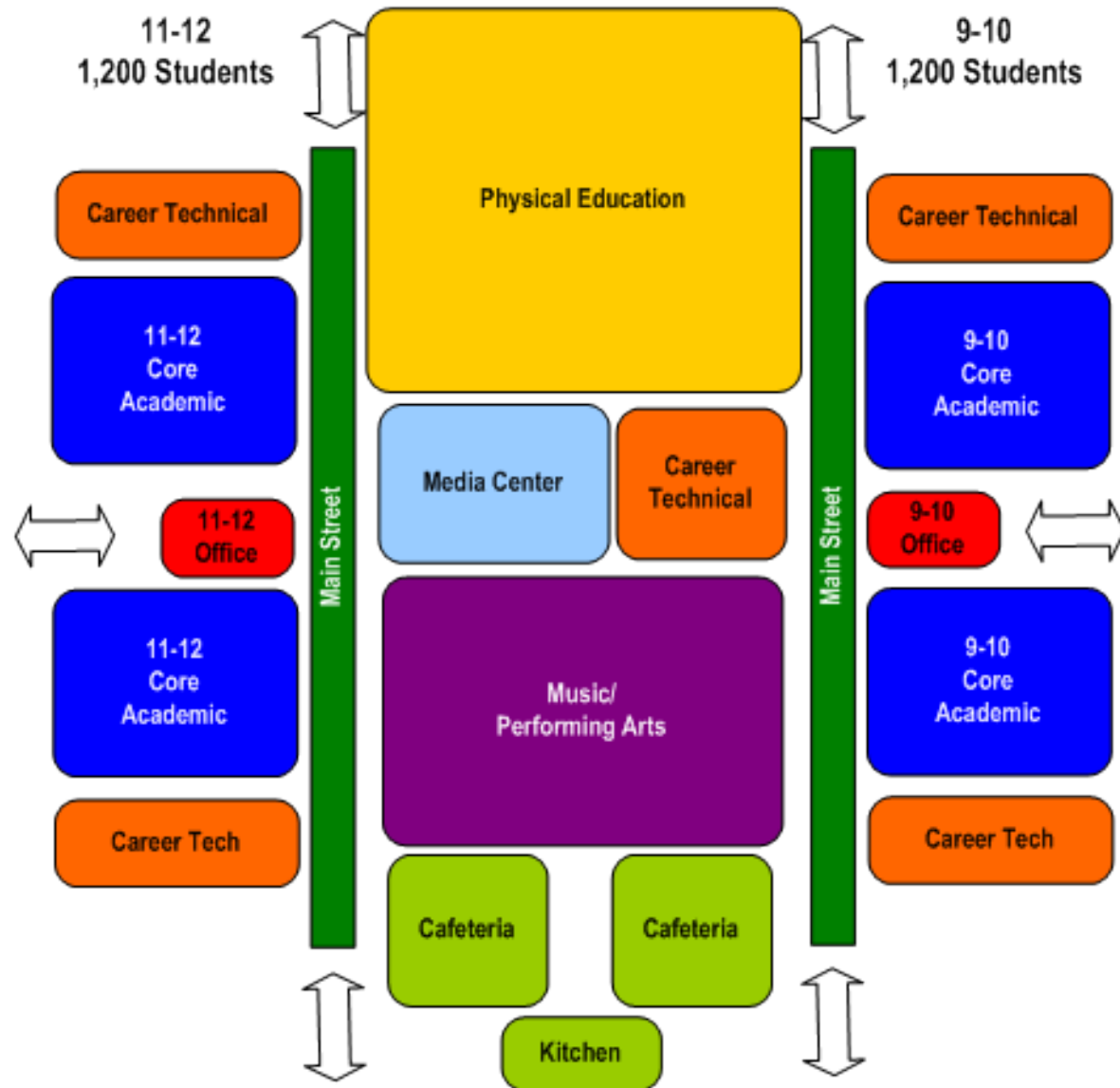
Space	9-10 School		11-12 School		Shared Area		Total Area	
	Teaching Stations	Total	Teaching Stations	Total	Teaching Stations	Total	Teaching Stations	Total
Core Academic Areas	42	60,950	42	60,950	0	0	84	121,900
Special Services	3	5,050	3	5,050	0	0	6	10,100
Media Center	0	0	0	0	0	9,550	0	9,550
Visual Arts	3	4,800	2	3,800	0	3,800	5	8,600
Music/Perf Arts	0	0	0	0	4	25,850	4	25,850
Large Group Instruction	1	2,500	1	2,500	0	0	2	5,000
Physical Education	5	26,800	9	56,900	0	0	14	83,700
Career Technical Center/Family and Consumer Science	3	3,400	4	4,600	14	34,900	21	42,900
Welcome Center/Administration		5,010		5,960		0		10,970
Cafeteria/Food Service		15,000		12,500		0		27,500
Custodial		500		500		3,800		4,800
Sub Total Programmed Areas		124,010		152,760		77,900		350,870
Building Services, Circulation, etc.	43%	53,324	43%	65,687	43%	33,497	43%	150,874
Total	57	177,334	61	218,447	18	111,397	136	501,744

Square Feet per Student

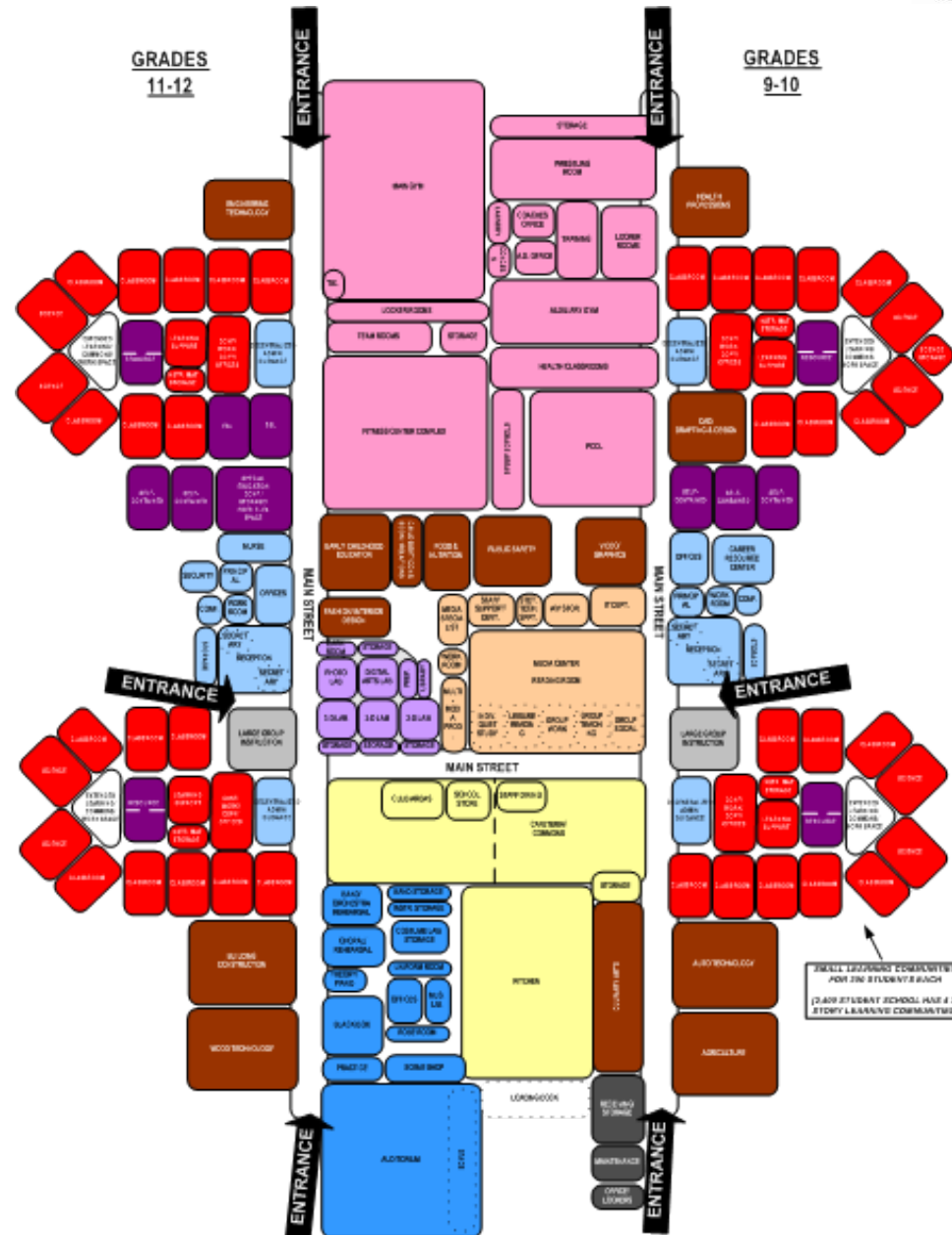
9-10 School		11-12 School		Shared Area		Total Area	
Divided by total SF	SF per student	Divided by total SF	SF per student	Divided by total SF	SF per student	Divided by total SF	SF per student
177,334	147.8	218,447	182.0	111,397	46.4	501,744	209.1

High School Facility Spatial Relationship Diagrams

*The functional relationships are diagrammatic only.
Further interpretation of these relationships shall be
implemented by the design professional.*



The functional relationships are diagrammatic only.
Further interpretation of these relationships shall be
implemented by the design professional.



State College Area School District High School Educational Specifications

The following diagrams illustrate how the educational specifications could be utilized on the current high school site at Westerly Parkway.

Diagram 1

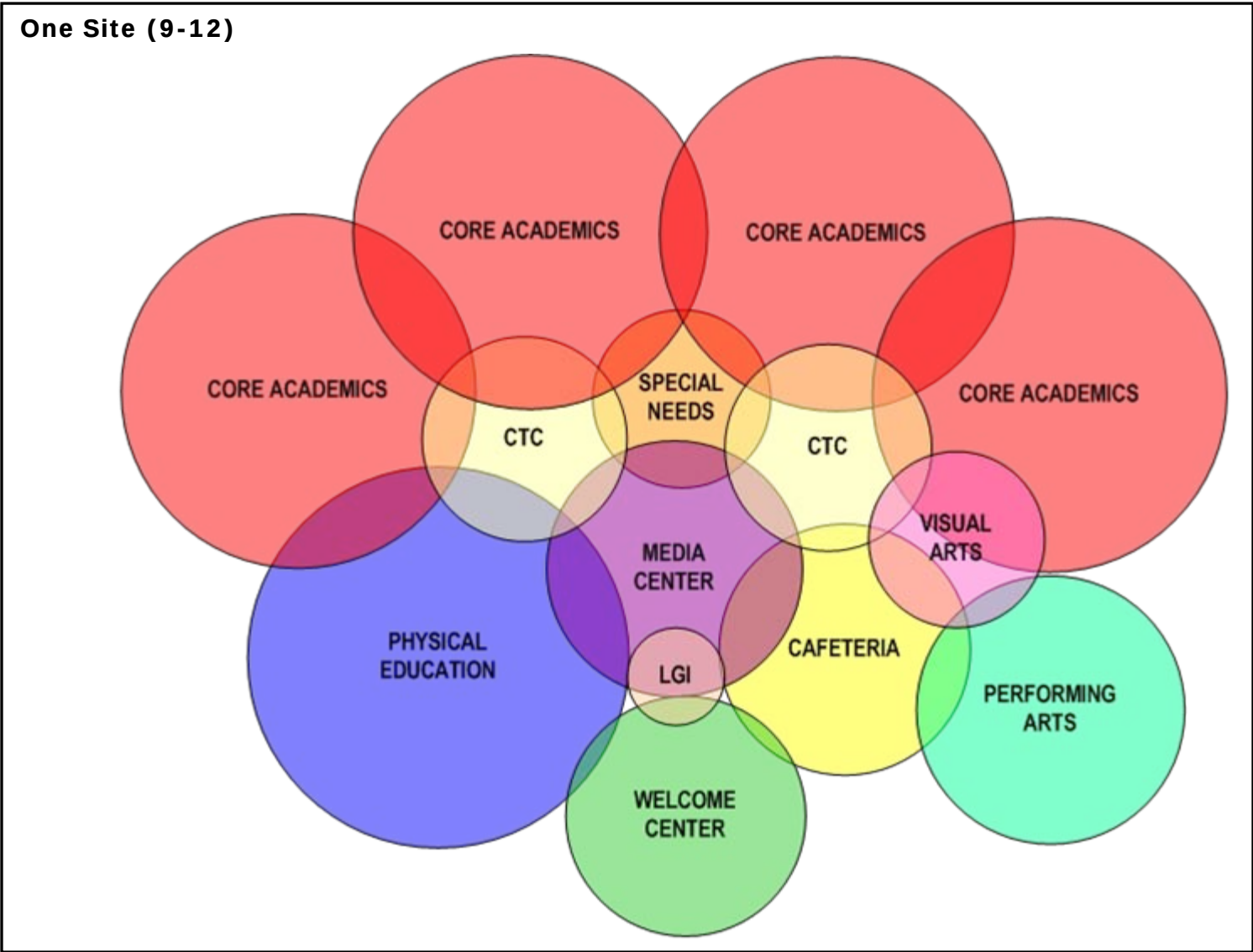


The functional relationships are diagrammatic only. Further interpretation of these relationships shall be implemented by the design professional.

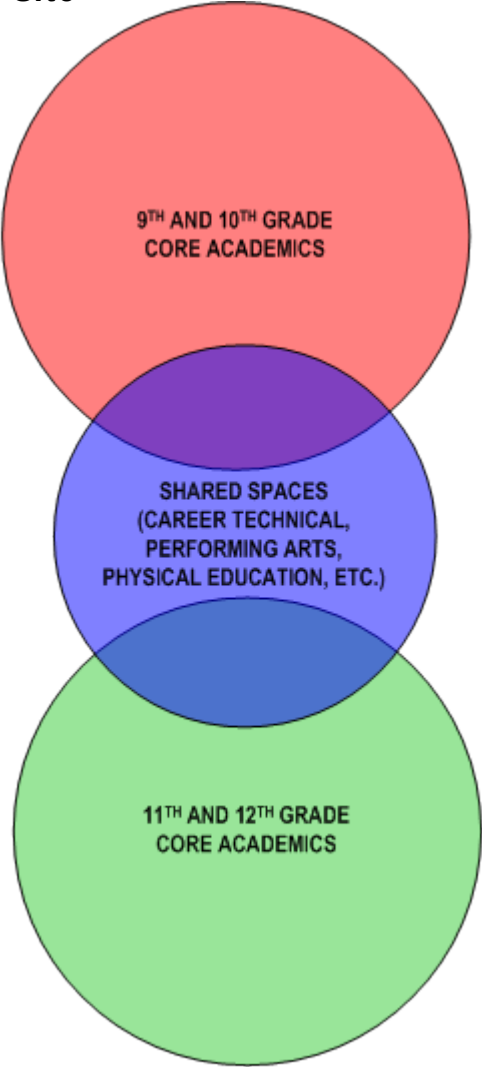
Diagram 2



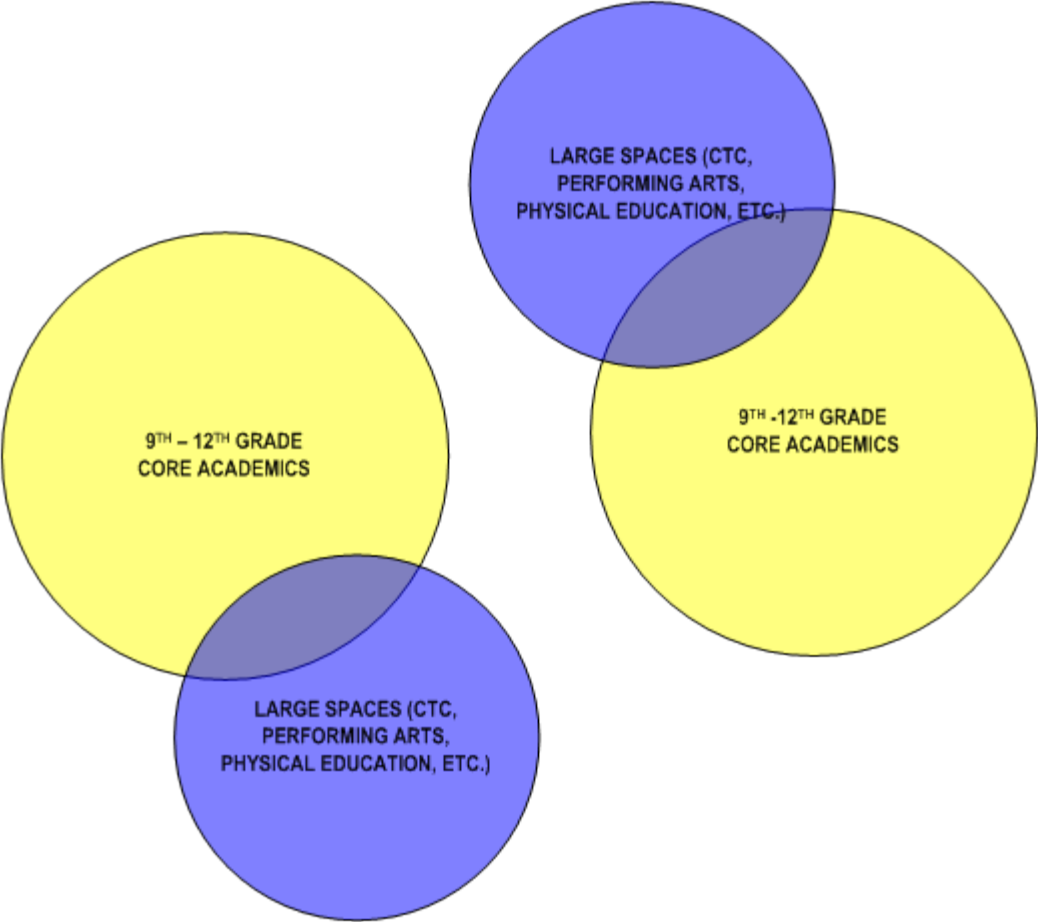
High School Relationships



One Site



Two Sites (Both 9-12)



Program Areas Compilation of Space

Core Academic Learning Community

Core Academic	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Small Learning Community for 300																
Classrooms	8	8	900	7,200	8	8	900	7,200					16	16	900	14,400
*Tech Ed Labs			See CTC				See CTC								See CTC	
Resource Room [can be used for Spec Ed] Put wall divider between the 2 resource rooms to be able to make a larger room.		2	450	900		2	450	900						4	450	1,800
Science Lab	2	2	1,400	2,800	2	2	1,400	2,800					4	4	1,400	5,600
Science Prep/Storage		1	300	300		1	300	300						2	300	600
Learning Support Room		1	500	500		1	500	500						2	500	1,000
Extended Learning/Commons/Work Space		1	1,200	1,200		1	1,200	1,200						2	1,200	2,400
Teacher Office (Plus a private office)		1	750	750		1	750	750						2	750	1,500
Instructional Material Storage		1	150	150		1	150	150						2	150	300
Student Restroom (male / female)		2	See Building Services			2	See Building Services							4	See Building Services	
Small Learning Community	10			13,800	10			13,800	0				0	20		27,600
Number of Small Learning Communities				4				4								4
Sub Total Learning Communities	40			55,200	40			55,200	0			0	80			110,400
Decentralized Admin/Guidance/ Teacher Prep Area																
Conference Room		1	250	250		1	250	250						1	250	250
Work/Copy		1	200	200		1	200	200						1	200	200
Staff Restrooms		2	50	100		2	50	100						2	50	100
Offices		2	150	300		2	150	300						2	150	300
Decentralized Area				850				850								850
Number of Decentralized Areas				2				2								4
Sub Total Decentralized Area				1,700				1,700				0				3,400
Other Spaces																
Instrument Room (Science)		1	250	250		1	250	250						2	250	500
Specialized Science Labs	2	2	1,400	2,800	2	2	1,400	2,800					4	4	1,400	5,600
Science Prep/Storage		1	1,000	1,000		1	1,000	1,000						2	1,000	2,000
Sub Total Other				4,050				4,050				0				8,100
Total Core Academic	42			60,950	42			60,950	0			0	84			121,900

*Tech Ed Labs [Engineering/Robotics, Communications, Health Services] to be integrated into or adjacent to Core Classroom Areas

Special Services

Special Services	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Self-contained Classroom w/ divider wall	2	2	900	1,800	2	2	900	1,800					4	4	1,800	3,600
Restroom/Shower		1	100	100		1	100	100						2	200	200
OT/PT/other support personnel		1	500	500		1	500	500						2	1,000	1,000
Additional Offices (2 Psych., 2 Speech, 2 ES, 1 Transition Coord.)		3	150	450		3	150	450						6	300	900
Conference Room		1	250	250		1	250	250						2	500	500
Storage		1	200	200		1	200	200						2	400	400
Teacher Prep/Offices		1	250	250		1	250	250						2	500	500
Itinerant/Supplemental*	8	8	450	See Core	8	8	450	See Core					16	16	450	See Core
Learning Support	4	4	500	See Core	4	4	500	See Core					8	8	500	See Core
ESL Classroom	1	1	900	900	1	1	900	900					2	2	1,800	1,800
Office		1	150	150		1	150	150						2	300	300
Flex Space		1	450	450		1	450	450						2	900	900
Special Services-Sub Total	3			5,050	3			5,050	0			0	6			10,100

*These would be classrooms with divider walls

Media Center

Media Center	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Reading Room/Circulation										1	5,000	5,000	0	1	5,000	5,000
Media Specialist Office										3	150	450	0	3	150	450
Workroom/Storage										1	400	400	0	1	400	400
Telecommunications Room										0	0	0	0	0	0	0
Hub Rooms, distributed thru Bldg										0	0	0	0	0	0	0
A/V Storage										1	500	500	0	1	500	500
Multi Media Production Area										1	1,000	1,000	0	1	1,000	1,000
Restrooms										2	50	100	0	2	50	100
Staff Support/Development										1	600	600	0	1	600	600
Network Center										1	1,200	1,200	0	1	1,200	1,200
Student Tech Support										1	300	300	0	1	300	300
Media Center Sub-Total	0			0	0			0	0			9,550	0	0	0	9,550

*Note - HS currently serves as net/telecom center for the district as a whole

Visual Arts

Visual Arts	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
3-D Lab	1	1	1,400	1,400	1	1	1,400	1,400					2	2	2,800	2,800
Kiln Room / Storage		1	200	200		1	200	200						2	400	400
Storage		1	200	200		1	200	200						2	400	400
2-D Lab	1	1	1,200	1,200	1	1	1,200	1,200					2	2	2,400	2,400
Storage		1	200	200		1	200	200						2	400	400
Photo Lab	1	1	1,300	1,300									1	1	1,300	1,300
Dark Room						1	300	300						1	300	300
Teacher Prep Area		1	200	200		1	200	200						2	400	400
Visual Arts Library		1	100	100		1	100	100						2	200	200
Visual Arts Sub-Total	3			4,800	2			3,800					5	0	0	8,600

Music and Performing Arts

Music / Performing Arts	Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Choral Room	1	1	1,800	1,800	1	1	1,800	1,800
Robe Storage		1	600	600		1	600	600
Band/Orchestra Rehearsal Room	1	1	3,000	3,000	1	1	3,000	3,000
Band Storage		1	600	600		1	600	600
Instrument Storage		1	600	600		1	600	600
Uniform Storage		1	500	500		1	500	500
Practice rooms		4	50	200		4	50	200
Large Practice Room		1	200	200		1	200	200
Auditorium Seating		1	7,000	7,000		1	7,000	7,000
Control Booth		1	200	200		1	200	200
Auditorium Stage		1	3,600	3,600		1	3,600	3,600
Scene Shop (Locate adjacent to Wood, shared areas)		1	2,000	2,000		1	2,000	2,000
Make Up/Dressing		2	400	800		2	400	800
Storage (Costumes, Props)		1	500	500		1	500	500
Restrooms		2	50	100		2	50	100
Offices		3	150	450		3	150	450
Music Library		1	400	400		1	400	400
Theory/Piano Room	1	1	1,000	1,000	1	1	1,000	1,000
Black Box Theater/TV Studio	1	1	2,000	2,000	1	1	2,000	2,000
TV Control Rm		1	300	300		1	300	300
Music / Performing Arts Sub-Total	4			25,850	4	0	0	25,850

Large Group Instruction

Large Group Instruction [LGI]	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Large Group Instruction [LGI]	1	1	2,400	2,400	1	1	2,400	2,400					2	2	4,800	4,800
Storage		1	100	100		1	100	100						2	200	200
LGI Sub-Total	1			2,500	1			2,500	0			0	2	0	0	5,000

Physical Education

Physical Education	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Gym	2	1	10,000	10,000	3	1	18,000	18,000					5	2	28,000	28,000
Storage		1	1,000	1,000		1	2,000	2,000						2	3,000	3,000
Community Storage		1	500	500		1	500	500							1,000	1,000
Auxiliary Gym					1	1	8,000	8,000					1	1	8,000	8,000
Shower/Locker Room		2	2,000	4,000		2	2,000	4,000						4	4,000	8,000
Wrestling					1	1	4,000	4,000					1	1	4,000	4,000
Pool					1	1	8,000	8,000					1	1	8,000	8,000
Pool Shower/Locker Room						2	1,000	2,000						2	1,000	2,000
Team Shower/Locker Room		2	1,000	2,000		2	1,000	2,000						4	2,000	4,000
Training / Rehab / Cardio Classroom						1	1,000	1,000						1	1,000	1,000
Coaches Office/Conference		2	500	1,000		2	500	1,000						4	1,000	2,000
Coaches Toilets/Shower						2	200	400						2	200	400
Laundry		1	200	200		1	200	200						2	400	400
Health Classroom [divider wall between 2 classrooms]	2	2	900	1,800	2	2	900	1,800					4	4	1,800	3,600
Concessions		1	300	300		1	500	500						2	800	800
Athletic Director's Office Area						1	500	500						1	500	500
Fitness Center Complex	1	1	5,000	5,000	1	1	2,000	2,000					2	2	7,000	7,000
PE Offices		2	400	800		2	400	800						4	800	1,600
Bag Room		1	200	200		1	200	200						2	400	400
Physical Education Sub-Total	5			26,800	9			56,900					14			83,700

Career / Family Consumer Sciences / Technology Education

Career / Family Consumer Sciences / Technology Education	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Family & Consumer Sciences																
Food and Nutrition	1	1	1,300	1,300	1	1	1,300	1,300					2	2	2,600	2,600
Fashion Technology					1	1	1,200	1,200					1	1	1,200	1,200
Child Development									1	1	900	900	1	1	900	900
Interior Design	Shared with Fashion Tech.				Shared with Fashion Tech.								Shared with Fashion Tech.			
Consumer Economics									Shared with Consumer & Child Dev't				Shared with Consumer & Child Dev't			
Relationships and Communications									Shared with Consumer & Child Dev't				Shared with Consumer & Child Dev't			
Office										1	250	250	0	1	250	250
Storage										1	250	250	0	1	250	250
Technical Education													0	0	0	0
Wood Technology (locate adjacent to Scene Shop)									1	1	3,000	3,000	1	1	3,000	3,000
Graphics									1	1	1,800	1,800	1	1	1,800	1,800
CAD									Shared with Drafting and Design				Shared with Drafting and Design			
Video									Shared with Graphics				Shared with Graphics			
Approved Career and Technical Programs of Study																
Accounting/Finances	1	1	900	900	1	1	900	900					2	2	1,800	1,800
Agriculture (Lab, Storage, Greenhouse)									1	1	4,000	4,000	1	1	4,000	4,000
Auto Technology (Lab Storage)									1	1	4,500	4,500	1	1	4,500	4,500
Building Construction									1	1	4,000	4,000	1	1	4,000	4,000
Computer Networking									1	1	1,800	1,800	1	1	1,800	1,800
Culinary Arts (Lab & Restaurant)									1	1	2,700	2,700	1	1	2,700	2,700
Diversified Occupations (Classroom, Office)									1	1	1,200	1,200	1	1	1,200	1,200
Drafting and Design									1	1	2,000	2,000	1	1	2,000	2,000
Early Childhood Education									1	1	2,000	2,000	1	1	2,000	2,000
Engineering Technology									1	1	2,500	2,500	1	1	2,500	2,500
Health Professions									1	1	2,000	2,000	1	1	2,000	2,000
Marketing (2 classrooms)																
See Food Service for Store	1	1	1,200	1,200	1	1	1,200	1,200					2	2	2,400	2,400
Public Safety									1	1	2,000	2,000	1	1	2,000	2,000
Tech Ed Sub-Total	3			3,400	4			4,600	14			34,900	21	0	0	42,900

Welcome Center / Administration

Welcome Center / Administration	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Reception Area		1	750	750		1	750	750						2	1,500	1,500
Secretarial Area*		2	80	160		2	80	160						4	160	320
Principal's Office/Conference		1	200	200		2	200	400						3	400	600
Principal's Conference		1	250	250		1	250	250						2	500	500
Conference Room		1	300	300		1	300	300						2	600	600
Mail/Work/Copy Room (Possibly Decentralized)		1	400	400		1	400	400						2	800	800
Administrative Storage		1	150	150		1	150	150						2	300	300
Restrooms		2	50	100		2	50	100						4	100	200
Security Office		2	150	300		2	150	300						4	300	600
Additional Offices		3	150	450		3	150	450						6	300	900
Health Clinic/Suite (including restrooms)		1	800	800		1	800	800						2	1,600	1,600
Guidance/Student Services																
Career Center						1	750	750						1	750	750
Reception/Secretarial Area		1	300	300		1	300	300						2	600	600
Additional Counseling Offices**		4	150	600		4	150	600						8	300	1,200
Conference Rooms		1	250	250		1	250	250						2	500	500
Administration Sub-Total	0			5,010	0			5,960	0				0	0	0	10,970
Decentralized Option	See Learning Communities				See Learning Communities				See Learning Communities				See Learning Communities			

* In 2,400 student school, 3 principals and 3 secretaries will be dispersed throughout the building

** Located by or with assistant principals

Cafeteria / Food Service

Cafeteria/Food Service	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Kitchen																
Preparation Area																
Serving Area																
Dry Food Storage																
Cooler/Freezer			1	7,000		1	3,500	3,500				0				10,500
Ware Washing																
Kitchen Mgr Office																
Restroom																
Lockers																
Multipurpose Room/Cafeteria/Commons (3 servings)		1	6,000	6,000		1	6,000	6,000				0		2	12,000	12,000
Table & Chair Storage		1	500	500		1	500	500						2	1,000	1,000
Staff Dining Area		1	750	750		1	750	750						2	1,500	1,500
Club Area		1	750	750		1	750	750						2	1,500	1,500
School Store						1	1,000	1,000						1	1,000	1,000
Food Service Sub-Total				15,000				12,500				0				27,500

*These calculations assume that the Elementary School Kitchen is included in High School

Custodial / Building Services

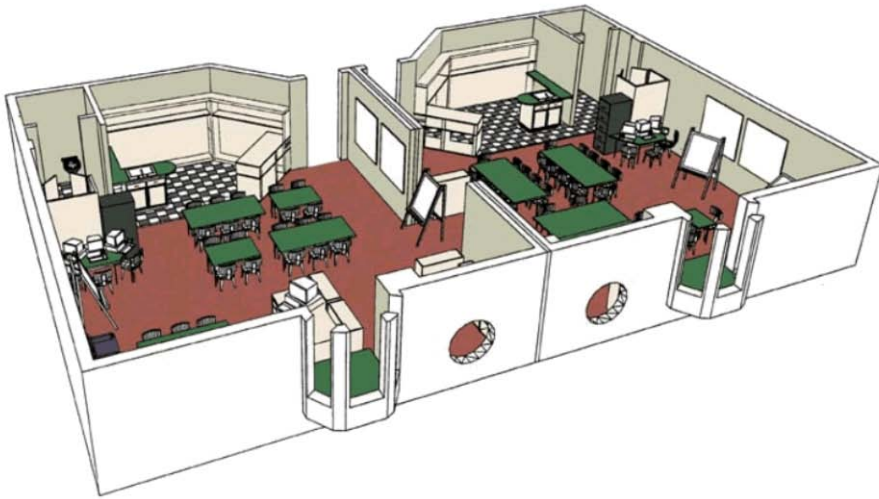
Custodial/Building Services	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Receiving/Storage		1	500	500		1	500	500		1	1,000	1,000		3	2,000	2,000
Maintenance/Repair Area										1	1,000	1,000		1	1,000	1,000
Office/Planning/Meeting Area/Break Room										1	600	600		1	600	600
Locker Room/Toilets										2	600	1,200		2	600	1,200
Loading Area			outside				outside				outside				outside	
Custodial Sub-Total	0			500	0			500	0			3,800	0			4,800

Delta Program

The Delta Program is not included in the overall square footage calculations for the 2,400 or 1,200 student school. The following compilation of space lists the space requirements for the Delta Program as a stand-alone, 125 student educational program.

Delta Program	125 Student School			
	TS	Qty.	SF	Total
Classrooms	6	6	900	5,400
Science Classroom	1	1	1,200	1,200
Art Room (Ceramics, Dark Room)	1	1	1,200	1,200
Learning Support		1	900	900
Conference Room		1	300	300
Large Gathering Room		1	1,500	1,500
Physical Education Space (indoors and out)		1	4,000	4,000
Main office - guidance		1	1,000	1,000
Teacher planning area		1	500	500
Teacher/Student lounge		1	1,000	1,000
Custodial Sub-Total	8			17,000

Grades 7-12, Democratic school, school of choice



Core Academics

It is the goal of the core academic program to provide opportunities for students of all grade levels to foster mastery of basic skills in reading, language, social studies, mathematics, science, citizenship, health, technology, and other content areas; experience and enhance their awareness and understanding of multi-cultural values, beliefs, and other aspects of society; and become involved in inquiry-based learning expressed by hands-on, minds-on, experiences.

The core academic area is composed of spaces associated with typical academic content areas such as language arts, mathematics, science, and social studies. Spaces include

classrooms, teacher workrooms, restrooms, and materials storage.

Specific spaces associated with the core academics and corresponding illustrations and adjacencies are described herein. Additionally, descriptions of activities and persons to be accommodated as well as design considerations are listed.

Overview

The core academics concept should be organized to facilitate an interdisciplinary approach to instruction. Characteristics of this area are:

- Ability to organize space by teams
- Instruction and facility space to encourage team and student communication
- A flexible learning environment that is:
 - ✓ adaptable to change and supportive of different program delivery/organizational patterns
 - ✓ adequately sized with space to support the work of teams and production of student work, and encourages the integration of curricula

The concepts that will give direction to this interdisciplinary approach are:

- Integrated curricula
- Performance objectives for students
- Individualized/intra-dependent learning environments
- Performance assessment
- Decentralized/shared decision-making
- Coordination of services provided to students

In addition to the traditional large and small group instruction, many varied activities take place in the various Core Academic learning areas:

- Writing/composing
- Role playing – skits, acting out situations
- Hands-on projects and activities – individuals and groups
- Oral presentations
- Interactive activities – room-to-room, school-to-school, class-to-community
- Team teaching among all the disciplines
- Group and teamwork activities



SCIENCE LAB

RESOURCE CENTER



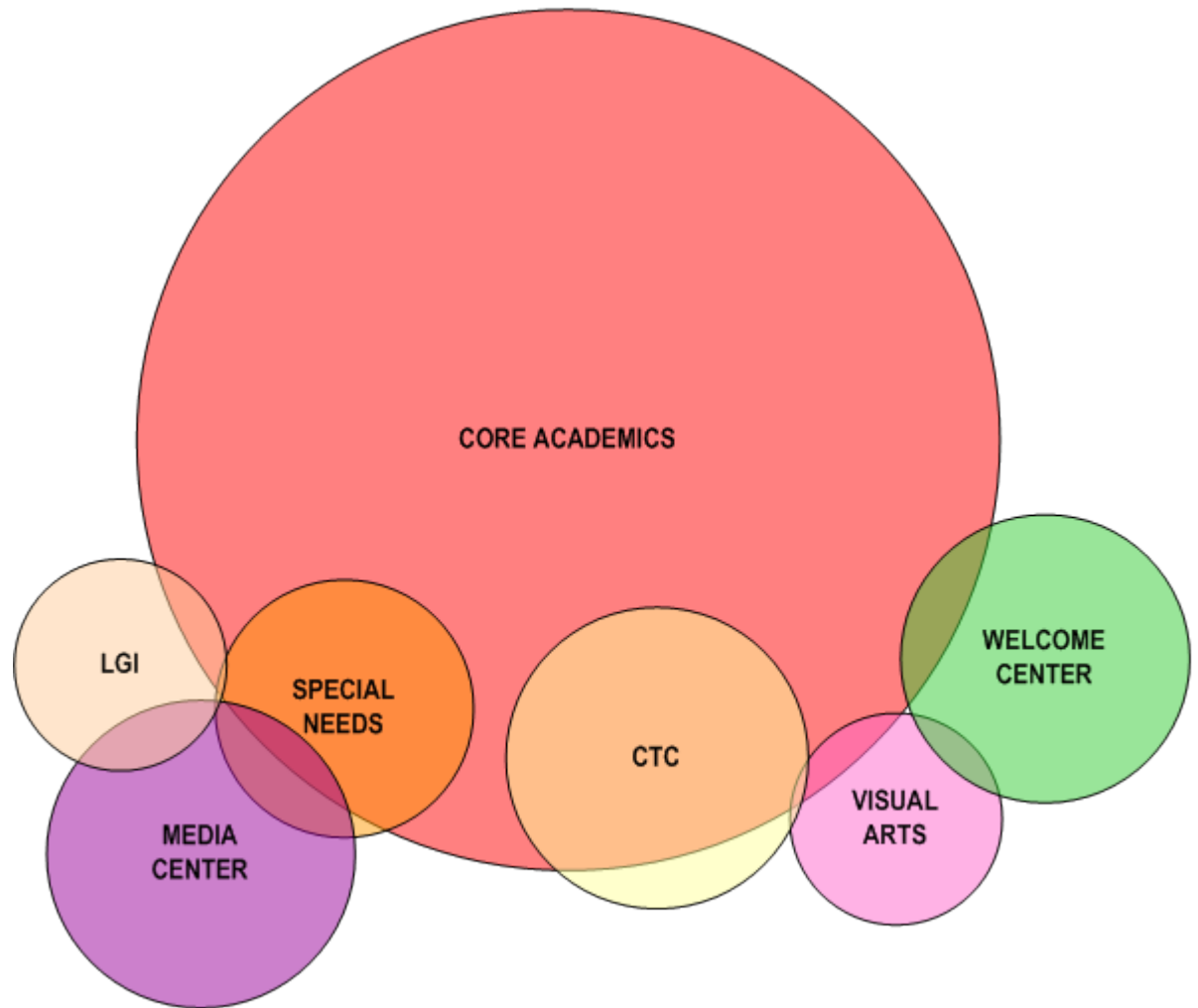
Core Academics Space Requirements

Core Academic	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Small Learning Community for 300																
Classrooms	8	8	900	7,200	8	8	900	7,200					16	16	900	14,400
*Tech Ed Labs			See CTC				See CTC								See CTC	
Resource Room [can be used for Spec Ed] Put wall divider between the 2 resource rooms to be able to make a larger room.		2	450	900		2	450	900						4	450	1,800
Science Lab	2	2	1,400	2,800	2	2	1,400	2,800					4	4	1,400	5,600
Science Prep/Storage		1	300	300		1	300	300						2	300	600
Learning Support Room		1	500	500		1	500	500						2	500	1,000
Extended Learning/Commons/Work Space		1	1,200	1,200		1	1,200	1,200						2	1,200	2,400
Teacher Office (Plus a private office)		1	750	750		1	750	750						2	750	1,500
Instructional Material Storage		1	150	150		1	150	150						2	150	300
Student Restroom (male / female)		2	See Building Services			2	See Building Services							4	See Building Services	
Small Learning Community	10			13,800	10			13,800	0			0	20			27,600
Number of Small Learning Communities				4				4								4
Sub Total Learning Communities	40			55,200	40			55,200	0			0	80			110,400
Decentralized Admin/Guidance/ Teacher Prep Area																
Conference Room		1	250	250		1	250	250						1	250	250
Work/Copy		1	200	200		1	200	200						1	200	200
Staff Restrooms		2	50	100		2	50	100						2	50	100
Offices		2	150	300		2	150	300						2	150	300
Decentralized Area				850				850								850
Number of Decentralized Areas				2				2								4
Sub Total Decentralized Area				1,700				1,700				0				3,400
Other Spaces																
Instrument Room (Science)		1	250	250		1	250	250						2	250	500
Specialized Science Labs	2	2	1,400	2,800	2	2	1,400	2,800					4	4	1,400	5,600
Science Prep/Storage		1	1,000	1,000		1	1,000	1,000						2	1,000	2,000
Sub Total Other				4,050				4,050				0				8,100
Total Core Academic	42			60,950	42			60,950	0			0	84			121,900

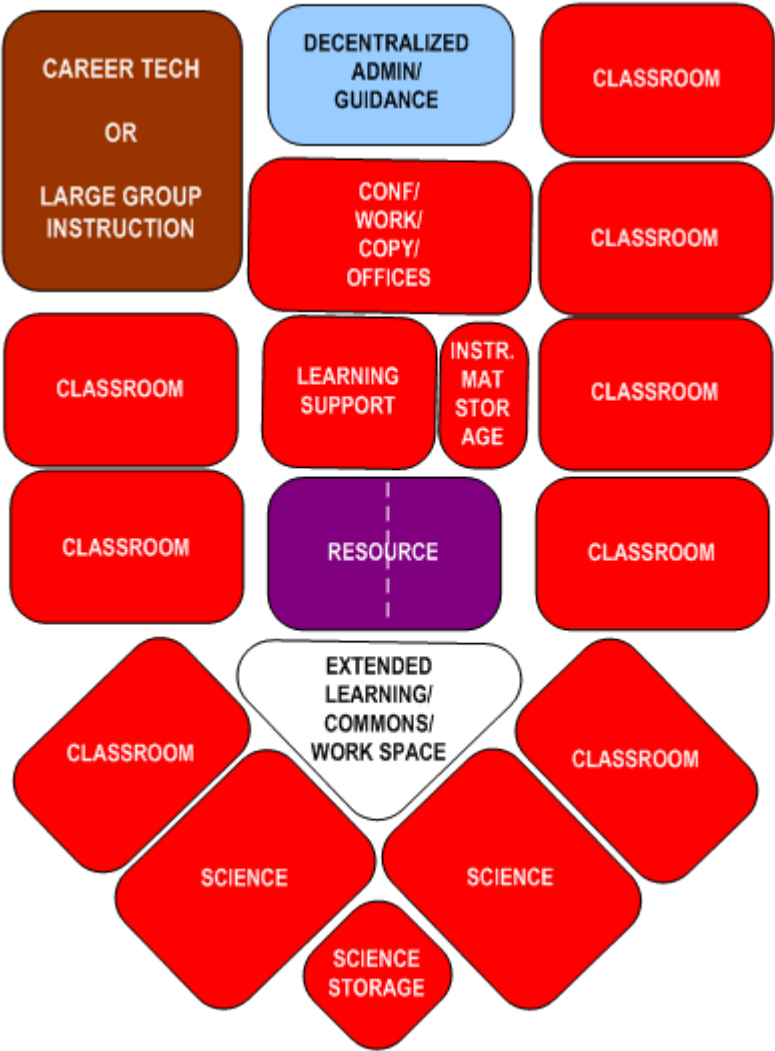
*Tech Ed Labs [Engineering/Robotics, Communications, Health Services] to be integrated into or adjacent to Core Classroom Areas

Core Academics Spatial Relationships

Core academics should be located adjacent to all other program areas: special needs, technical and career education as well as the media center. The three pod/cluster illustration is for a 2-story school.



Core Academics Illustration



CLASSROOMS	
ACTIVITIES	PERSONS
Individual, small, and large group activities	Students
Storage of materials	Teachers
Project-based learning	Aides
Demonstrations	Volunteers
Computer-based instruction	Paraprofessionals
	Staff

CLASSROOMS		QTY
MECHANICAL	Quiet air conditioning	Yes
PLUMBING	No special requirements	1
ELECTRICAL / LIGHTING	Duplex outlet	1 per wall
	Quad outlet @ each data port	1
	Overhead lighting	Yes
	Room darkening capability - dimmer switches	Yes
	Controlled day lighting, banked lighting	Yes
	Mobile tables need variety of ways to set electricity [floor or fixed table]	Yes
	Front row of light, dimmable	Yes
TECHNOLOGY	Voice, data, video outlets at teacher desk	1
	6 data drops with double, triple, or quad Communications Network Outlets	6
	2 data drops at teacher desk area	2
	Single data drop dedicated to wireless, high on wall	1
	Telephone	1
	Intercom	Yes
	Interactive whiteboard with integral computer projector	1
	Ceiling mounted computer projector with retractable screen	Yes
	Laptop computers with carts, shared	26
	Access to voice, video, data ports, and electrical outlets	Yes
	Teacher data port separate from student data ports	Yes
	Audio enhancement	1 system
	Document cameras for each class	Yes

CLASSROOMS (continued)		QTY
FURNITURE / EQUIPMENT	Student work tables, 2 students each	Yes
	Comfortable ergonomic student chairs that allow movement	Yes
	Countertop over base cabinets	Yes
	Lockable overhead cabinets	Yes
	Magnetic marker board with tack strips above whiteboard	Yes
	Bulletin board	Yes
	Shelving	Yes
	Clock	Yes
	Locking storage cabinet with outlet	Yes
	All in One Computer Device	Yes
	Retractable projection screen	Yes
	Flexible or multiple display surfaces	Yes
	Adjustable, lockable, and mobile storage cabinets and shelving	Yes
	Flexible furniture: can be used as individual desks or fit together to make tables	Yes
DOORS & WINDOWS	Door with windows or view panel	Yes
	Locking mechanism	Yes
	Large energy efficient windows to outdoors with blinds	Yes
SPECIAL CONSIDERATIONS	Climate control for each classroom	Yes
	Vinyl tile, no scratch flooring	Yes
	Acoustical privacy	Yes
	Walls painted with warm and cool colors	Yes

RESOURCE ROOM	
ACTIVITIES	PERSONS
Individual, small, and large group activities	Teachers
Physical therapy	Aides
Tutoring	Staff
	Volunteers
	Students

RESOURCE ROOM		QTY
MECHANICAL	Quiet air conditioning	Yes
PLUMBING	Sink with hot and cold water	1
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Overhead lighting	Yes
	Banked lighting	Yes
TECHNOLOGY	Front row of light, dimmable	1
	Telephone	1
	Intercom	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Access to voice, video, data ports, and electrical outlets	Yes

RESOURCE ROOM		QTY
FURNITURE / EQUIPMENT	Student work tables	1
	Comfortable ergonomic student chairs	1/ 25 SF
	Magnetic whiteboard	8LF
	Ceiling mounted data projector	1
	Retractable projection screen	1
	Bulletin board	4 LF
	Clock	1
	Lockable storage cabinets	Yes
	Flexible surfaces	Yes
	Abundant shelving	Yes
	Flexible or multiple display surfaces	Yes
DOORS & WINDOWS	Door with windows or view panel	Yes
	Locking mechanism	Yes
	Large energy efficient windows to outdoors with blinds	Yes
	Windows to corridor and / or Learning Community	Yes
SPECIAL CONSIDERATIONS	Spill and stain-resistant flooring	Yes
	Walls painted with warm / cool colors	Yes
	Wall divider between resource rooms to be able to combine spaces	Yes

SCIENCE LAB	
ACTIVITIES	PERSONS
Cooperative learning	Students
Hands-on experiments	Teachers
Demonstrations	Aides
Long-term projects	Volunteers
Independent study	Staff
Interdisciplinary team teaching	
Computer-based instruction	
Outdoor lab activities	

SCIENCE LAB		QTY
MECHANICAL	Fume hood	Yes
	Air conditioning	Yes
	Exhaust fan	Yes
	Gas at each sink	Yes
PLUMBING	Access to tap and distilled water (hot & cold), air, electric, and gas at every lab station	Yes
	Sinks with sliding / lockable cover (possibly with quick disconnects)	Yes
	Eye washing station, shower station, and sprinkler system	Yes
ELECTRICAL / LIGHTING	Front row of light, dimmable	Yes
	Quad outlet @ each data port	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Banked lighting	Yes
	Controlled day lighting	Yes
	Room darkening capability	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets at lab stations	Yes
	Ceiling-mounted computer projector with retractable screen	Yes
	Localized routers for computer WIFI wireless network access	Yes
	Interactive whiteboard w/integral computer projector	1
	Audio enhancement	1 system
	Voice, data, video outlets at teacher desk	1
	6 data drops with double, triple, or quad Communications Network Outlets	6
	2 data drops at teacher desk area	2
	Single data drop dedicated to wireless, high on wall	1
	Analog telephone	Yes
	Intercom	Yes
	Laptop computers with carts, shared	26

SCIENCE LAB (continued)		QTY
FURNITURE / EQUIPMENT	Flexible or multiple display surfaces	Yes
	Magnetic whiteboard with tack strips above	Yes
	Lab seating	Yes
	Hanging display area [i.e. atom models, DNA models, cells, art projects, etc.]	Yes
	Small chairs	Yes
	Easels	Yes
	Mobile Labs	Yes
	Equipment storage / display cabinets	Yes
	Students work tables, 4 students each, 4' x 6'	6
	Student chairs	24
	Countertop over lockable base cabinets	Perimeter
	Lockable overhead cabinets	Perimeter
	Bulletin board	24 LF
	Shelving	24 LF
	Clock	Yes
	Locking storage cabinet	6 LF
	All in One Device	1
	Teacher demonstration desk	Yes
	Equipment storage / display cabinets	6 LF
	Retractable projection screen	1
DOORS & WINDOWS	View panel in door	Yes
	Windows with blinds to control natural lighting	Yes
	Screens on windows	Yes
SPECIAL CONSIDERATIONS	Spill and stain resistant flooring	Yes
	Accessible to science prep area and storage	Yes
	Fire blankets and first aid kits	Yes
	Meet OSHA and NIOSH requirements for science	Yes
	Climate control for each classroom	Yes
	Lamps	Yes
	Copier / scanner / fax	Yes
	Bio lab, physical sciences, chemical lab, earth systems, environmental	Yes
	Place to store / display projects	Yes
	Vandal and acid resistant surfaces, stone lab tops	Yes
	Master shut-off switch for water, gas, and electricity	Yes
	Flip down gas outlets to regain table-top space	Yes
	Secure gas outlets below table-top with sliding, locking cover	Yes
	Distilled water faucet	Yes
	Access to outside facilities	Yes
	Instrumentation room	Yes
	General exhaust fan to outside	Yes

SCIENCE PREP / STORAGE	
ACTIVITIES	PERSONS
Staff meetings	Teachers
Lesson planning and grading	Aides
Scheduling of appointments	Volunteers
Record keeping	Staff
Development and review of teacher materials	
Lab preparations	

SCIENCE PREP / STORAGE		QTY
MECHANICAL	Fume hood	Yes
	Exhaust fan	Yes
PLUMBING	Quad outlet @ each data port	Yes
	Eye washing station, shower station, and sprinkler system	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall and at prep. bench areas	Yes
	Overhead lighting	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets	Yes

SCIENCE PREP / STORAGE		QTY
FURNITURE / EQUIPMENT	Lockable storage cabinets	Yes
	Abundant shelving	Yes
	Flexible or multiple display surfaces	Yes
	Adequate counter-top space for small appliances and production equipment	Yes
DOORS & WINDOWS	View panel at door - 2nd door for emergency egress (to outside)	Yes
	Lockable	Yes
SPECIAL CONSIDERATIONS	Spill and stain resistant flooring	Yes
	Accessible to Science Lab / Classroom - elevator if 2-story building	Yes
	Vandal and acid resistant surfaces - Lab rock	Yes
	Layout to maximize storage and efficiency	Yes
	Temperature and humidity control	Yes
	Secure	Yes
	Fire safety equipment	Yes
	Bookshelves for catalogs, manuals, MSDS	Yes

LEARNING SUPPORT ROOM	
ACTIVITIES	PERSONS
Learning support	Teachers
Individual, small, and large group activities	Aides
Tutoring	Staff
	Volunteers
	Students

LEARNING SUPPORT ROOM		QTY
MECHANICAL	Quiet air conditioning	Yes
PLUMBING	Sink with hot and cold water	1
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Overhead lighting	Yes
	Banked lighting	Yes
TECHNOLOGY	Front row of light, dimmable	1
	Telephone	1
	Intercom	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Access to voice, video, data ports, and electrical outlets	Yes

LEARNING SUPPORT ROOM		QTY
FURNITURE / EQUIPMENT	Student work tables	1
	Comfortable ergonomic student chairs	1/ 25 SF
	Magnetic whiteboard	8LF
	Ceiling mounted data projector	1
	Retractable projection screen	1
	Bulletin board	4 LF
	Clock	1
	Lockable storage cabinets	Yes
	Flexible surfaces	Yes
	Abundant shelving	Yes
	Flexible or multiple display surfaces	Yes
DOORS & WINDOWS	Door with windows or view panel	Yes
	Locking mechanism	Yes
	Large energy efficient windows to outdoors with blinds	Yes
	Windows to corridor and / or Learning Community	Yes
SPECIAL CONSIDERATIONS	Spill and stain-resistant flooring	Yes
	Walls painted with warm / cool colors	Yes

EXTENDED LEARNING / COMMONS / WORK SPACE

ACTIVITIES	PERSONS
Individual, small, and large group activities	Teachers
Tutoring	Aides
	Staff
	Volunteers
	Students

EXTENDED LEARNING / COMMONS / WORK SPACE		QTY
MECHANICAL	Quiet air conditioning	Yes
PLUMBING	Sink with hot and cold water	1
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Overhead lighting	Yes
	Banked lighting	Yes
TECHNOLOGY	Front row of light, dimmable	1
	Telephone	1
	Intercom	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Access to voice, video, data ports, and electrical outlets	Yes

EXTENDED LEARNING / COMMONS / WORK SPACE		QTY
FURNITURE / EQUIPMENT	Student work tables	1
	Comfortable ergonomic student chairs	1/ 25 SF
	Magnetic whiteboard	8LF
	Ceiling mounted data projector	1
	Retractable projection screen	1
	Bulletin board	4 LF
	Clock	1
	Lockable storage cabinets	Yes
	Flexible surfaces	Yes
	Abundant shelving	Yes
	Flexible or multiple display surfaces	Yes
DOORS & WINDOWS	Door with windows or view panel	Yes
	Locking mechanism	Yes
	Large energy efficient windows to outdoors with blinds	Yes
	Windows to corridor and / or Learning Community	Yes
SPECIAL CONSIDERATIONS	Spill and stain-resistant flooring	Yes
	Walls painted with warm / cool colors	Yes

TEACHER OFFICE	
ACTIVITIES	PERSONS
Teacher planning and collaboration	Teachers
Team meetings	Staff
Professional development	Paraprofessionals
Recordkeeping	
Preparation of teaching materials	
Faculty lunch	
Storage	

TEACHER OFFICE		QTY
MECHANICAL	Quiet air conditioning	Yes
PLUMBING	Sink with hot and cold water	Yes
ELECTRICAL / LIGHTING	Duplex outlet	Yes
	Quad outlet @ each data port	Yes
	Controlled day lighting	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets	Yes
	Intercom	Yes

TEACHER OFFICE		QTY
FURNITURE / EQUIPMENT	Teacher desks	12
	Lockable storage cabinets and closets	Yes
	Flexible surfaces	Yes
	Adequate counter top space for small appliances and production equipment	Yes
	Computer station with Internet access	Yes
	Work tables	2
	Conference chairs	Yes
	Conference table	Yes
	Abundant shelving	Yes
	Layout of shelving to maximize efficiency	Yes
	File cabinet, 4 drawer	12
	Refrigerator w/ ice maker	Yes
	Microwave	Yes
	Laptop computer	6
	Printer	1
	Magnetic Marker board	Yes
	Bulletin board	4 LF
	Clock	1
DOORS & WINDOWS	Door: view panel	Yes
SPECIAL CONSIDERATIONS	Acoustical privacy	Yes

INSTRUCTIONAL MATERIAL STORAGE	
ACTIVITIES	PERSONS
Storage of instructional team materials	Teachers
	Staff

INSTRUCTIONAL MATERIAL STORAGE		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL & LIGHTING	Duplex outlets on each wall	Yes
	Overhead lighting	Yes
TECHNOLOGY	No Special Requirements	
FURNITURE / EQUIPMENT	Casework to include:	
	Countertop with base and wall cabinets	Yes
	Lockable storage cabinets	Yes
	Abundant wall shelving	Yes
DOORS & WINDOWS	Solid door	Yes
	Keypad access	Yes
SPECIAL CONSIDERATIONS	Vinyl tile	Yes

CONFERENCE ROOM	
ACTIVITIES	PERSONS
Small group meetings/conferences	Administrators
	Counselors
	Parents
	Students
	Visitors
	Staff

CONFERENCE ROOM		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	Yes
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	Yes
	Duplex outlet	1
	Overhead lighting [dimnable]	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Whiteboard screen on whole wall	Yes
FURNITURE / EQUIPMENT	Countertop with sink, base, and wall cabinets	Yes
	Ceiling mounted data projector	1
	Modular conference table	1
	Conference chairs	1/25 SF
	Credenza	Yes
	Magnetic marker board	Yes
	Retractable projection screen	1
	Tack board	Yes
	Bulletin board	4 LF
	Bookshelves	Yes
	Clock	1
DOORS & WINDOWS	Door: large view panel with optional sidelight	Yes
	Windows: to hallway with mini-blinds	Yes
SPECIAL CONSIDERATIONS	Consideration for sound transfer	Yes
	Carpeted flooring	Yes

WORK / COPY	
ACTIVITIES	PERSONS
Copying	Teachers
Collating	Staff
Laminating, book making, poster making	
General office work	

WORK / COPY		QTY
MECHANICAL	Quiet air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex outlet	Yes
	Quad outlet @ each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Intercom	Yes
FURNITURE / EQUIPMENT	Work tables	2
	Counter over base cabinets	16 LF
	Overhead cabinets	8 LF
	Chairs	2
	Computer workstations	1
	Wall shelving	8 LF
	Lockable storage cabinet	Yes
	Fax machine	1
	Copier w/Sorter	1
	B&W and color printer	1
	Scanner	1
	Laminating machine	1
	Paper storage, shredder, and cutter	Yes
	Marker board	8 LF
	Tack board	Yes
	Bookshelves	Yes
	Clock	1
DOORS & WINDOWS	Door: large view panel with optional sidelight	Yes
SPECIAL CONSIDERATIONS	Consideration for sound transfer	Yes
	Tile flooring	Yes

STAFF RESTROOMS	
ACTIVITIES	PERSONS
Personal hygiene	Teachers
	Administrators

STAFF RESTROOMS		QTY
MECHANICAL	Exhaust fan	Yes
PLUMBING	Sink with hot and cold water	Yes
	Toilet	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include cabinet with mirror	Yes
DOORS & WINDOWS	Solid door	Yes
SPECIAL CONSIDERATIONS	Hand-free dispensers	Yes

OFFICES	
ACTIVITIES	PERSONS
Meeting with students	School staff
	Student population

OFFICES		QTY
MECHANICAL	Quiet air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Duplex outlet	Yes
	Quad outlet @ each data port	Yes
	Intercom	Yes
FURNITURE / EQUIPMENT	Flexible surfaces	Yes
	Legal size file lateral drawer	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	1
	Desk chair	1
	Guest chairs	2
	Lamps	Yes
	Bookshelves	18LF
	Marker board	4LF
	Laptop computer	1
	Printer	1
	Locking file cabinet, 4 drawer	1 to 2
	Bulletin board	4LF
	Clock	1
DOORS & WINDOWS	Door: view panel	Yes
SPECIAL CONSIDERATIONS	Bright, soft lighting	Yes
	Carpeted flooring	Yes

SCIENCE INSTRUMENT ROOM	
ACTIVITIES	PERSONS
Chemical (acid) storage	Teachers
Flammable storage	Aides
Storage of refrigerated items	Volunteers
Glassware/equipment storage	Staff

SCIENCE INSTRUMENT ROOM		QTY
MECHANICAL	Fume hood	Yes
	Exhaust fan	Yes
PLUMBING	Quad outlet @ each data port	Yes
	For Dishwasher and icemaker	Yes
	Eye washing station, shower station, and sprinkler system	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall and at prep. bench areas	Yes
	Overhead lighting	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets	Yes

SCIENCE INSTRUMENT ROOM		QTY
FURNITURE / EQUIPMENT	Lockable storage cabinets	Yes
	Dishwasher and ice maker	Yes
	Abundant shelving	Yes
	Flexible or multiple display surfaces	Yes
	Chemical storage cabinet (several, for specific categories)	Yes
	Adequate counter-top space for small appliances and production equipment	Yes
DOORS & WINDOWS	View panel at door - 2nd door for emergency egress (to outside)	Yes
	Lockable	Yes
SPECIAL CONSIDERATIONS	Spill and stain resistant flooring	Yes
	Vandal and acid resistant surfaces - Lab rock	Yes
	Layout to maximize storage and efficiency	Yes
	Temperature and humidity control	Yes
	Secure	Yes
	Fire safety equipment	Yes
	Acid storage cabinet	Yes
	Nitric acid storage	Yes
	Flammable storage	Yes
	Corrosives storage	Yes
	Distillation apparatus	Yes
	Bookshelves for catalogs, manuals, MSDS	Yes

SPECIALIZED SCIENCE LAB	
ACTIVITIES	PERSONS
Cooperative learning	Students
Hands-on experiments	Teachers
Demonstrations	Aides
Long-term projects	Volunteers
Independent study	Staff
Interdisciplinary team teaching	
Computer-based instruction	
Outdoor lab activities	

SPECIALIZED SCIENCE LAB		QTY
MECHANICAL	Fume hood	Yes
	Air conditioning	Yes
	Exhaust fan	Yes
	Gas at each sink	Yes
PLUMBING	Access to tap and distilled water (hot & cold), air, electric, and gas at every lab station	Yes
	Sinks with sliding / lockable cover (possibly with quick disconnects)	Yes
	Eye washing station, shower station, and sprinkler system	Yes
ELECTRICAL / LIGHTING	Front row of light, dimmable	Yes
	Quad outlet @ each data port	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Banked lighting	Yes
	Controlled day lighting	Yes
	Room darkening capability	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets at lab stations	Yes
	Ceiling-mounted computer projector with retractable screen	Yes
	Localized routers for computer WIFI wireless network access	Yes
	Interactive whiteboard w/integral computer projector	1
	Audio enhancement	1 system
	Voice, data, video outlets at teacher desk	1
	6 data drops with double, triple, or quad Communications Network Outlets	6
	2 data drops at teacher desk area	2
	Single data drop dedicated to wireless, high on wall	1
	Analog telephone	Yes
	Intercom	Yes
	Laptop computers with carts, shared	26

SPECIALIZED SCIENCE LAB (continued)		QTY
FURNITURE / EQUIPMENT	Flexible or multiple display surfaces	Yes
	Magnetic whiteboard with tack strips above	Yes
	Lab seating	Yes
	Hanging display area [i.e. atom models, DNA models, cells, art projects, etc.]	Yes
	Small chairs	Yes
	Easels	Yes
	Mobile Labs	Yes
	Equipment storage / display cabinets	Yes
	Students work tables, 4 students each, 4' x 6'	6
	Student chairs	24
	Countertop over lockable base cabinets	Perimeter
	Lockable overhead cabinets	Perimeter
	Bulletin board	24 LF
	Shelving	24 LF
	Clock	Yes
	Locking storage cabinet	6 LF
	All in One Device	1
	Teacher demonstration desk	Yes
DOORS & WINDOWS	Equipment storage / display cabinets	6 LF
	Retractable projection screen	1
DOORS & WINDOWS	View panel in door	Yes
	Windows with blinds to control natural lighting	Yes
	Screens on windows	Yes
SPECIAL CONSIDERATIONS	Spill and stain resistant flooring	Yes
	Accessible to science prep area and storage	Yes
	Fire blankets and first aid kits	Yes
	Meet OSHA and NIOSH requirements for science	Yes
	Climate control for each classroom	Yes
	Lamps	Yes
	Copier / scanner / fax	Yes
	Bio lab, physical sciences, chemical lab, earth systems, environmental	Yes
	Place to store / display projects	Yes
	Vandal and acid resistant surfaces, stone lab tops	Yes
	Master shut-off switch for water, gas, and electricity	Yes
	Flip down gas outlets to regain table-top space	Yes
	Secure gas outlets below table-top with sliding, locking cover	Yes
	Distilled water faucet	Yes
	Access to outside facilities	Yes
	Instrumentation room	Yes
	General exhaust fan to outside	Yes



The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas, and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.

Special Services

The goal of the Special Education Program is to meet the needs of students with disabilities within the least restrictive environment enabling them to become responsible, life-long learners. To meet students' needs, the Special Education Program provides instruction utilizing the continuation of services from participation in the general education environment through an inclusion process, supplemental support programs, and separate classrooms for students who require a specialized environment.

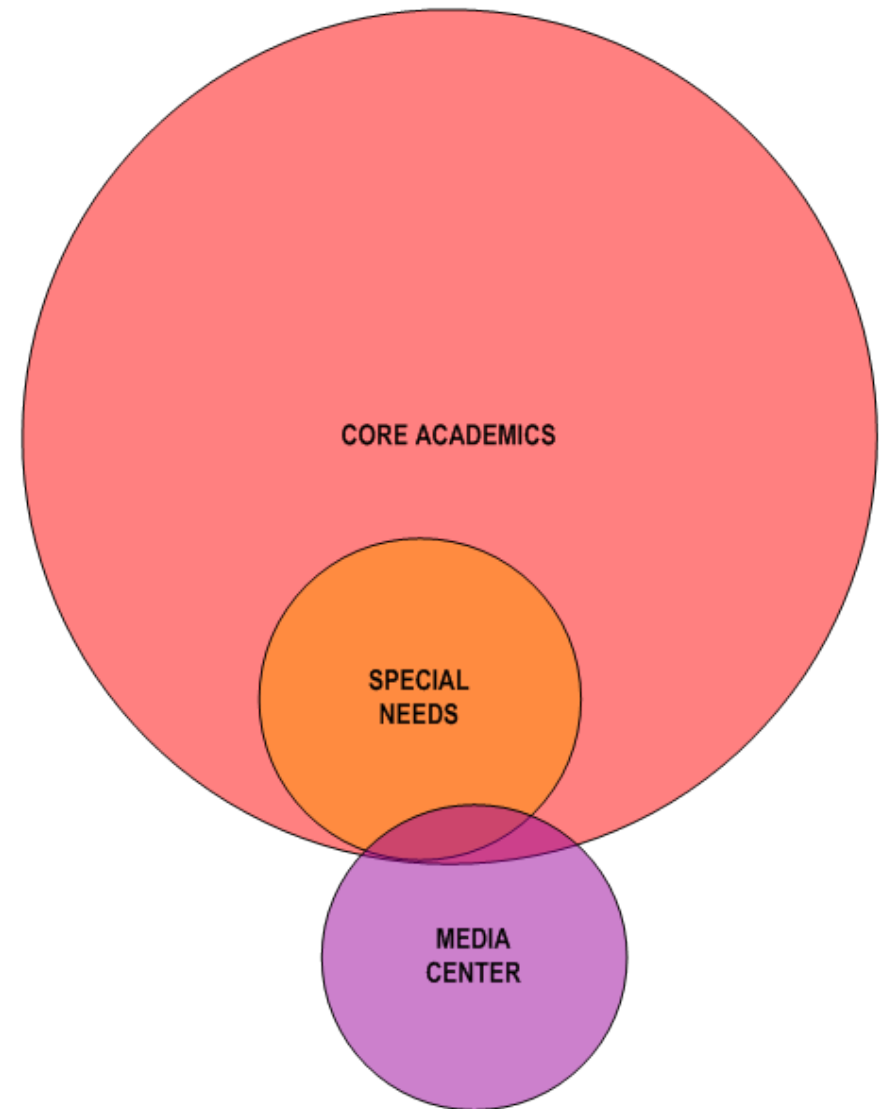
Special Services Space Requirements

Special Services	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Self-contained Classroom w/ divider wall	2	2	900	1,800	2	2	900	1,800					4	4	1,800	3,600
Restroom/Shower		1	100	100		1	100	100						2	200	200
OT/PT/other support personnel		1	500	500		1	500	500						2	1,000	1,000
Additional Offices (2 Psych., 2 Speech, 2 ES, 1 Transition Coord.)		3	150	450		3	150	450						6	300	900
Conference Room		1	250	250		1	250	250						2	500	500
Storage		1	200	200		1	200	200						2	400	400
Teacher Prep/Offices		1	250	250		1	250	250						2	500	500
Itinerant/Supplemental*	8	8	450	See Core	8	8	450	See Core					16	16	450	See Core
Learning Support	4	4	500	See Core	4	4	500	See Core					8	8	500	See Core
ESL Classroom	1	1	900	900	1	1	900	900					2	2	1,800	1,800
Office		1	150	150		1	150	150						2	300	300
Flex Space		1	450	450		1	450	450						2	900	900
Special Services-Sub Total	3			5,050	3			5,050	0			0	6			10,100

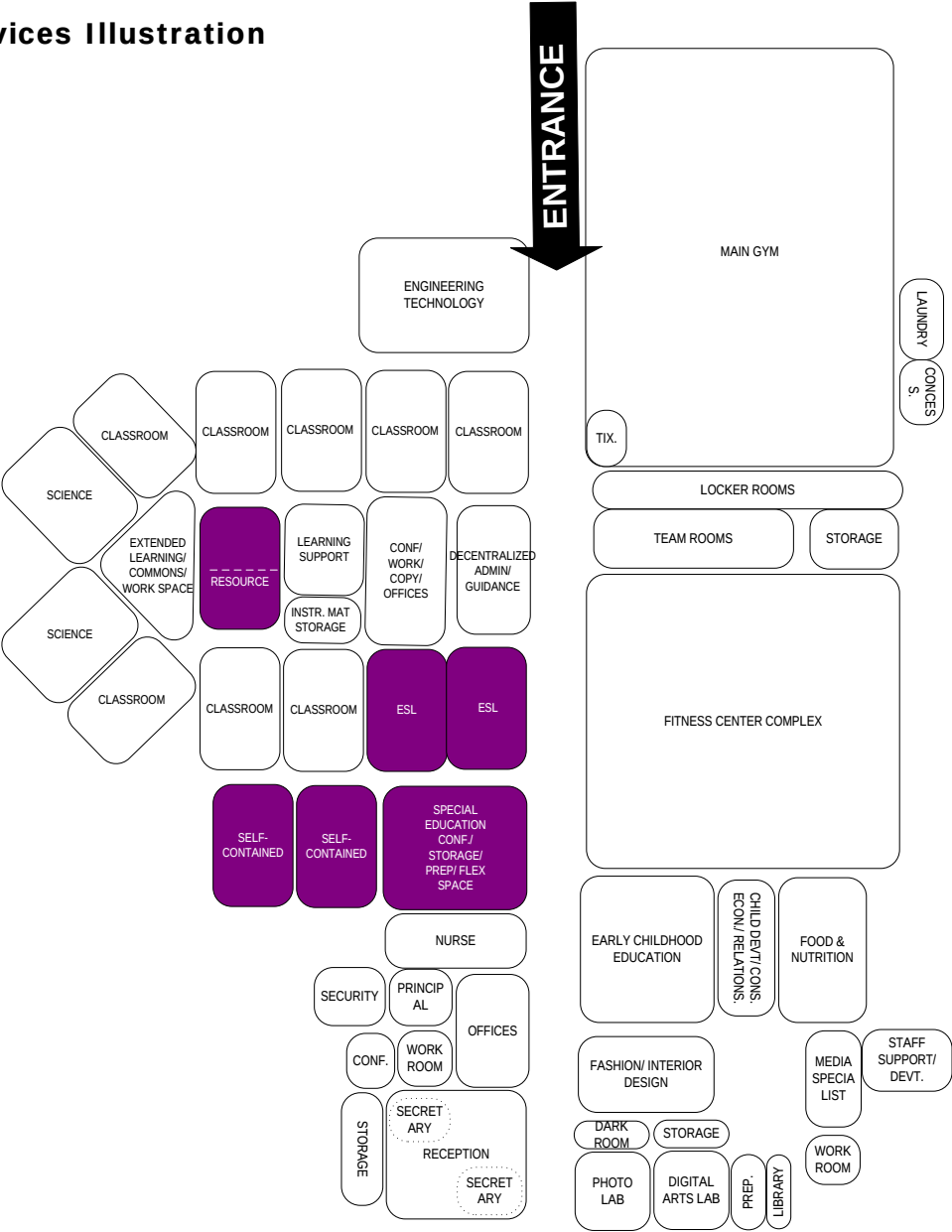
*These would be classrooms with divider walls

Special Services Spatial Relationships

Self-contained special education classrooms should be adjacent to the core academics. Within the learning communities, special education resource rooms should be incorporated into the pod / cluster.



Special Services Illustration



SELF CONTAINED CLASSROOM WITH DIVIDER WALL		
ACTIVITIES	PERSONS	
Individual, small, and large group activities	Students	
Storage of materials, equipment	Teachers	
Project-based learning	Parents	
Computer-based instruction	Volunteers	
SELF CONTAINED CLASSROOM WITH DIVIDER WALL		QTY
MECHANICAL	Low incidence equipment/ Assisted Technology equipment	Yes
	Air conditioning	Yes
	Hoyer lift [to be located in restroom]	Yes
	Gait trainer wheelchair	Yes
PLUMBING	Sink with hot and cold water	Yes
	Drinking fountain	Yes
	Age appropriate changing area [to be located in restroom]	Yes
	Kitchen sink	Yes
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	Yes
	Banked switching to allow varied light levels	Yes
	Room darkening capabilities	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Audio enhancement system	Yes
	Ceiling-mounted computer projector with retractable screen	Yes
	Equipment for Deaf and Hearing Impaired	Yes

SELF CONTAINED CLASSROOM WITH DIVIDER WALL (continued)		QTY
FURNITURE / EQUIPMENT	Casework to include: - Countertop with sink, base, and wall cabinets - 4 tall storage cabinets with shelving, drawers, and lockable doors - Adjustable height bookshelves - Large shallow drawers sized to hold poster board and chart paper - Drawers for teacher storage - 2 Lockable file cabinets	Yes
	Fixed cubbies for student storage with hooks	Yes
	Tables, chairs, and student desks that are mobile [wheelchair accessibility]	Yes
	Networked computers	4
	Teacher work station	Yes
	Kidney-shaped tables	2
	Rectangle tables	4 or more
	Magnetic marker board on primary and secondary teaching wall	Yes
	Tack board at each end of marker board on primary wall	Yes
	Tack strip above marker board and on walls	Yes
	Clock	yes
	Video screen	Yes
	One classroom equipped with kitchen, washer & dryer with areas for activities of daily living	Yes
DOORS & WINDOWS	Door: view panel, outside accessibility	Yes
	Windows: operable, with blinds to allow controlled natural lighting	Yes
	Acoustical privacy	Yes
SPECIAL CONSIDERATIONS	Comfortable rooms with pleasant décor that contribute to an atmosphere conducive to creativity	Yes
	Proportion classroom for effective viewing and listening from all areas of the classroom	Yes
	Plenty of natural/quality lighting	Yes
	Oversize wheelchair accessibility	Yes
	Tile flooring: soft, padded	Yes
	Two-way mirrors into connected rooms	Yes
	Doors and windows should have built in safety features, childproof	Yes
	Evacuation chair	Yes

RESTROOM / SHOWER	
ACTIVITIES	PERSONS
Personal hygiene	Nurse
Adult supported for changing diaper	Paraprofessionals
	Students
	Teachers
	Other staff

RESTROOM / SHOWER		QTY
MECHANICAL	Exhaust fan	Yes
	Intake and outtake ventilation	Yes
PLUMBING	Sink with hot and cold water adaptable to special physical needs	Yes
	Toilet - adaptable to special apparatus	Yes
	Shower: wheelchair accessible	Yes
	Age appropriate changing area	Yes
	Hoyer lift	Yes
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	Yes
TECHNOLOGY	Intercom/phone/"help button"	Yes
FURNITURE / EQUIPMENT	Casework to include:	
	- Cabinet with mirror	Yes
	Hooks for clothing	Yes
	Hampers	Yes
	Clock	Yes
	Changing table	Yes
	Biohazard disposal can / Diaper disposal	Yes
	Cubbies for student supplies	Yes
	Lockable closet	Yes
DOORS & WINDOWS	Door: no view panel	Yes
	Windows: none	Yes
SPECIAL CONSIDERATIONS	Situated near the Health Clinic	Yes
	Large restroom to accommodate wheel chair separate shower	Yes
	Hoyer lifts	Yes
	Chairs for changing assistance [pants, shoe removal]	Yes

OT/PT/OTHER SUPPORT PERSONNEL	
ACTIVITIES	PERSONS
Individual, small, and large group activities	Occupational Therapist
Storage of materials	Physical Therapist
Physical therapy	Psychologist
Occupational therapy	Social Worker
Storage	Speech Therapist
Testing	Community agencies
Speech therapy	Aides
	Staff
	Volunteers

OT/PT/OTHER SUPPORT PERSONNEL		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	2
	Overhead lighting	Yes
	Controlled day lighting	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets	Yes
FURNITURE / EQUIPMENT	Lockable storage cabinets	2
	Teacher desks and chairs	2
	Rectangular tables	3
	Clock	Yes
	Flexible surfaces	Yes
	Abundant shelving	Yes
	Multiple display surfaces	Yes
DOORS & WINDOWS	Door: one-way for observation	Yes
SPECIAL CONSIDERATIONS	Room for different OT/PT activities such as motor skill development	Yes
	Moveable partition to divide room	Yes
	Handicapped accessible and accessible to large wheelchairs	Yes
	One Multi-Use Room attached to self-contained classroom with door	Yes
	Accessible to teachers' centers	Yes

ADDITIONAL OFFICES	
ACTIVITIES	PERSONS
Meeting with students	School staff
	Students

ADDITIONAL OFFICES		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Locking file cabinet, 4 drawer	1 to 2
	Clock	1
	File lateral drawer	1
	Desk	1
	Desk chair	1
	Guest chairs	2
	Lamps	1
	Bookshelves	18LF
	Marker board	4LF
	Laptop computer	1
	Printer	1
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special considerations	Yes
SPECIAL CONSIDERATIONS	Bright, soft lighting	Yes
	Tile	Yes

CONFERENCE ROOM	
ACTIVITIES	PERSONS
Small group meetings/conferences	Administrators
	Counselors
	Parents
	Students
	Visitors
	Staff

CONFERENCE ROOM		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	Sink with hot and cold water	1
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	2 per wall
	Quad outlet at each data port	1
	Overhead lighting [dimnable]	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	White board screen on whole wall	Yes
	Ceiling-mounted computer projector with retractable screen and computer	1
FURNITURE / EQUIPMENT	Counter top with sink, base, and wall cabinets	Yes
	Modular conference table	1
	Conference chairs	1/25 SF
	Credenza	1
	Magnetic marker board	Yes
	Laptop computer printer	Yes
	Retractable projection screen	1
	Tack board	Yes
	Bookshelves	2 or more
	Clock	1
DOORS & WINDOWS	Door: large view panel with optional sidelight	Yes
	Windows: to hallway with mini-blinds	Yes
SPECIAL CONSIDERATIONS	Consideration for sound transfer	Yes
	Tile	Yes

STORAGE	
ACTIVITIES	PERSONS
Storage	Staff

STORAGE		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Case work to include: - Countertop with base and wall cabinets - Lockable storage cabinets (2) - Wall shelving - Lateral files (2)	Yes
	Fireproof storage cabinet	1
DOORS & WINDOWS	Door: solid	Yes
SPECIAL CONSIDERATIONS	Connected with teacher prep room	Yes
	Tile flooring	Yes

TEACHER PREP / OFFICES	
ACTIVITIES	PERSONS
Teacher planning and collaboration	Teachers
Team meetings	Staff
Professional development	Paraprofessional
Recordkeeping	
Preparation of teaching materials	
Faculty lunch	
Storage	

TEACHER PREP / OFFICES		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	Sink	Yes
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	2
	Overhead lighting	Yes
	Controlled day lighting	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets	Yes
	Telephone	Yes
	Intercom	Yes

TEACHER PREP / OFFICES		QTY
FURNITURE / EQUIPMENT	Lockable storage cabinets and closets	3
	Adequate counter top space for small appliances and production equipment	Yes
	Computer station with Internet access	4
	Work tables	3
	Abundant shelving	Yes
	Layout of shelving to maximize efficiency	Yes
	File cabinet, 4 drawer	4
	Refrigerator	1
	Microwave	1
	Laptop computer	4
	Printer	1
	Copy machine	1
	Bulletin board	4 LF
	Clock	1
DOORS & WINDOWS	Door: view panel	Yes
	Windows: open to Learning Community	Yes
SPECIAL CONSIDERATIONS	Connected with storage area	Yes
	Acoustical privacy	Yes

ESL CLASSROOM		
ACTIVITIES	PERSONS	
Language instruction	Students	
Individual, small, and large group activities	Teachers	
Storage of materials, equipment	Parents	
Project-based learning	Volunteers	
Computer-based instruction		
ESL CLASSROOM		QTY
	Air conditioning	Yes
PLUMBING	Sink with hot and cold water	Yes
	Drinking fountain	Yes
	Kitchen sink	Yes
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	Yes
	Banked switching to allow varied light levels	Yes
	Room darkening capabilities	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Audio enhancement system	Yes
	Ceiling-mounted computer projector with retractable screen	Yes
	Equipment for speech and language studies	Yes

ESL CLASSROOM (continued)		QTY
FURNITURE / EQUIPMENT	Casework to include: - Countertop with sink, base, and wall cabinets - 4 tall storage cabinets with shelving, drawers, and lockable doors - Adjustable height bookshelves - Large shallow drawers sized to hold poster board and chart paper - Drawers for teacher storage - 2 Lockable file cabinets	Yes
	Networked computers	4
	Teacher work station	Yes
	Rectangle tables	4 or more
	Magnetic marker board on primary and secondary teaching wall	Yes
	Tack board at each end of marker board on primary wall	Yes
	Tack strip above marker board and on walls	Yes
	Clock	yes
	Video screen	Yes
DOORS & WINDOWS	Door: view panel, outside accessibility	Yes
	Windows: operable, with blinds to allow controlled natural lighting	Yes
	Acoustical privacy	Yes
SPECIAL CONSIDERATIONS	Comfortable rooms with pleasant décor that contribute to an atmosphere conducive to creativity	Yes
	Proportion classroom for effective viewing and listening from all areas of the classroom	Yes
	Plenty of natural/quality lighting	Yes
	Tile flooring: soft, padded	Yes
	Doors and windows should have built in safety features, childproof	Yes

OFFICE	
ACTIVITIES	PERSONS
Meeting with students	School staff
	Students

OFFICE		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Locking file cabinet, 4 drawer	1 to 2
	Clock	1
	File lateral drawer	1
	Desk	1
	Desk chair	1
	Guest chairs	2
	Lamps	1
	Bookshelves	18LF
	Marker board	4LF
	Laptop computer	1
	Printer	1
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special considerations	Yes
SPECIAL CONSIDERATIONS	Bright, soft lighting	Yes
	Tile	Yes

FLEX SPACE	
ACTIVITIES	PERSONS
Breakout work	School staff
Small group instruction	Students
Teacher Prep	

FLEX SPACE		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Locking file cabinet, 4 drawer	1 to 2
	Clock	1
	File lateral drawer	1
	Desk	1
	Desk chair	1
	Guest chairs	2
	Lamps	1
	Bookshelves	18LF
	Marker board	4LF
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special considerations	Yes
SPECIAL CONSIDERATIONS	Bright, soft lighting	Yes
	Tile	Yes



Media Center

The Media Center will serve as the information hub of the school, providing access to materials within and outside the physical facility. An important aspect of this area is the continued use of printed material as well as electronic sources of information.

All curricular areas of the school will share the Media Center instructional technologies, which include computers, audio, database access, and Internet information technologies. The Media Center is a technology-intensive environment, with computer information stations located throughout the Reading/Learning/Circulation area.

The Media Center Program Area is the program containing spaces for library and technology services. This includes spaces for a reading room and circulation, a media specialist's office, storage, and a workroom. It also includes separate spaces for the technology control center and student instruction.

While there will be a central Media Center, each Learning Community will also contain a Student Production Center.

The Media Center should be utilized by all students, staff, teachers, and community members. Therefore, a centrally located Media Center with public access would be ideal.

The Media Center will consist of:

- Reading Room/Circulation/ Instructional Space
- Reference Center
- Media Specialist Office
- Workroom/Storage
- Document Storage
- Student production center

The Media Center maintains a high profile in the life of the school and is an active participant.

An emphasis is placed on the Media Center providing experiences regarding the following opportunities for students:

- Identify, evaluate, and communicate information
- Exercise responsibility when using materials, information, and technology
- Maintain the highest standards of scholarship
- Develop the habits of confident, skillful, and discerning readers

Students are expected to become self-directed learners and feel comfortable using the Media Center for any field of inquiry.

The Media Center will serve students in grades 9-12. Its resources are available to all students in an atmosphere that is inviting, comfortable, and vibrant.

The Media Center should have flexible work and social settings for multiple activities that take place simultaneously. The instructional and meeting rooms should be able to be used without impacting the reading room and other spaces. The Media Center also provides spaces for reflection.

The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas, and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.



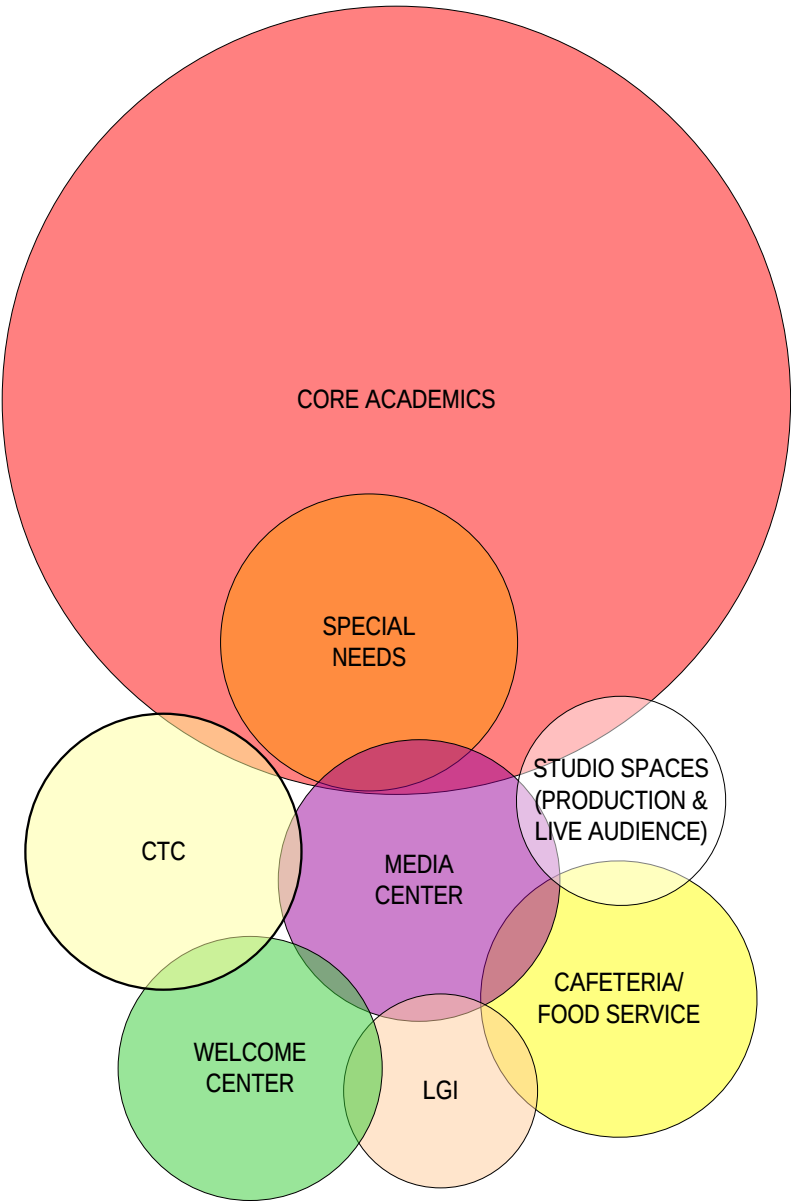
Media Center Space Requirements

Media Center	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Reading Room/Circulation										1	5,000	5,000	0	1	5,000	5,000
Media Specialist Office										3	150	450	0	3	150	450
Workroom/Storage										1	400	400	0	1	400	400
Telecommunications Room										0	0	0	0	0	0	0
Hub Rooms, distributed thru Bldg										0	0	0	0	0	0	0
A/V Storage										1	500	500	0	1	500	500
Multi Media Production Area										1	1,000	1,000	0	1	1,000	1,000
Restrooms										2	50	100	0	2	50	100
Staff Support/Development										1	600	600	0	1	600	600
Network Center										1	1,200	1,200	0	1	1,200	1,200
Student Tech Support										1	300	300	0	1	300	300
Media Center Sub-Total	0			0	0			0	0			9,550	0	0	0	9,550

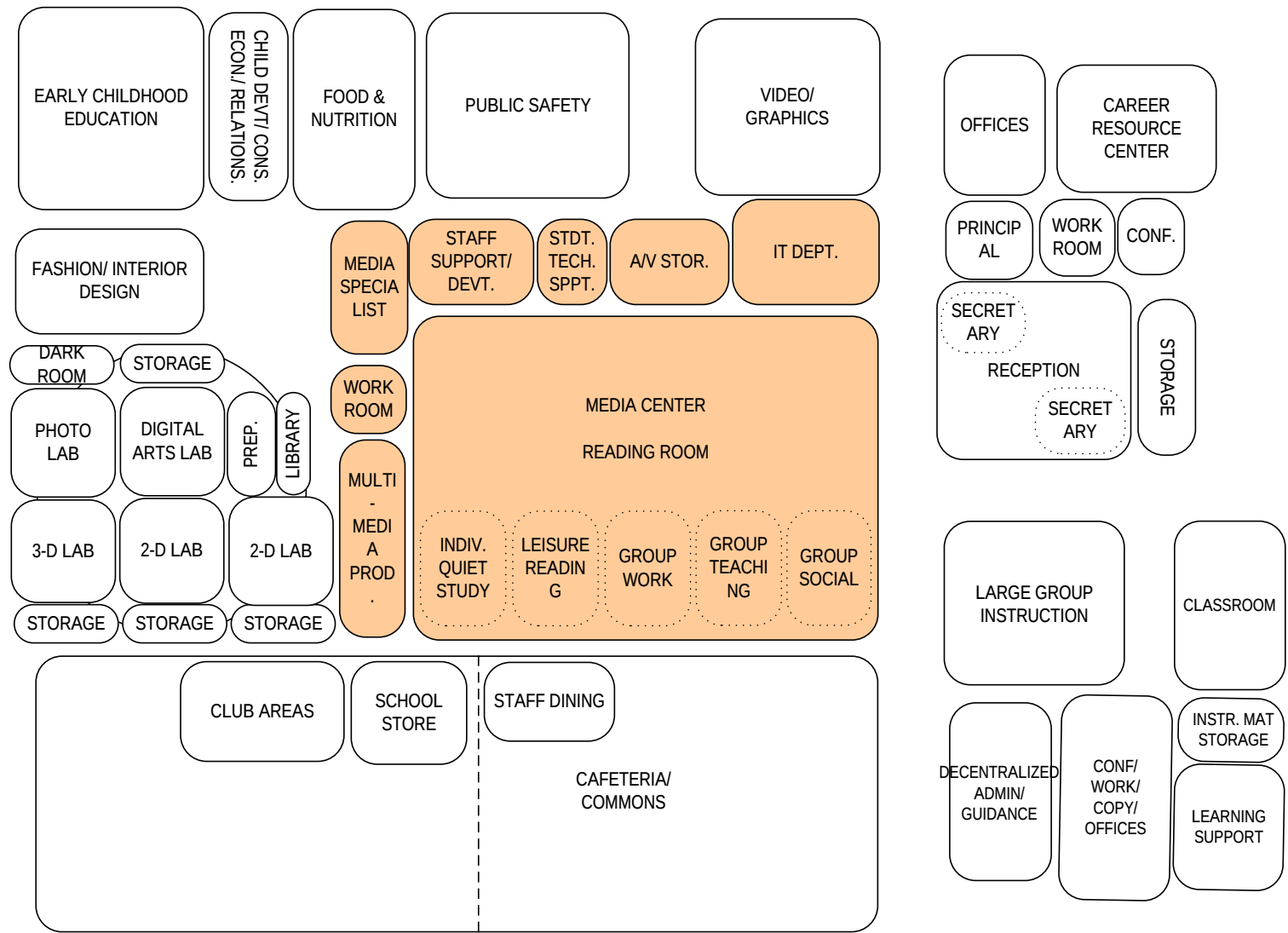
*Note - HS currently serves as net/telecom center for the district as a whole

Media Center Spatial Relationships

Media center spaces will be shared by each learning community. In addition to the traditional media center spaces, each learning community will also house the Student Production Centers. Members of the community will also use the media center before, after, and possibly during school hours. For this reason, the media center should have access to the outside, a separate secured entry, and should be located near the Welcome Center. The pages that follow describe in more detail each program area space listed in the table below.



Media Center Illustration



READING ROOM / CIRCULATION	
ACTIVITIES	PERSONS
Reading	Students/Faculty
Circulation of materials and	Individual students for research
Whole group and small group	Media specialist
Provide meeting areas	Community patrons for after school hours
Research	Volunteers
Processing new media	Teachers
	Technology Information Specialist

READING ROOM / CIRCULATION		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	Yes
	Full spectrum lighting	Yes
	Ability to control specific lighting areas; dimmable	Yes
	Book theft detector to all entrance areas	Yes
TECHNOLOGY	Telephone/intercom/voicemail ports	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Wireless access points throughout school	Yes
	Wireless laptops with carts for battery recharging	Yes
	Electronic surveillance system in every area/room	Yes
	Interactive whiteboards, computer projection opportunities throughout the room	Yes

READING ROOM / CIRCULATION (continued)		QTY
FURNITURE / EQUIPMENT	Casework to include: - Circulation desk and base cabinets - Periodical shelving - Bookshelves, some portable	Yes
	Portable, lightweight 4-person tables with chairs	Yes
	Soft seating for recreational reading	20
	Computer tables with chairs	Yes
	Clock	Yes
	Copier / printer (multi-function device)	1
	Printers and printer tables	Yes
	Networked computers with access to programs and online-card catalog	Yes
	Computer projector and mounted screen	2
DOORS & WINDOWS	Door: double doors, large view panel with built in book drop	Yes
	Windows: operable, with blinds to allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Controlled natural light	Yes
	Ceiling height proportionate to room dimensions (1.5 story)	Yes
	Open flow for traffic in reference/ professional/periodicals area	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV presentations	Yes
	Access to Library/Media Center during/ after school hours while maintaining security in the remainder of the school	Yes
	Carpeted flooring	Yes
	Magnetic marker boards	Yes
	Passive and active security	Yes
	Wireless, portable microphone to use when teaching	Yes
	Laptop charging stations	Yes

MEDIA SPECIALIST OFFICE	
ACTIVITIES	PERSONS
Administrative work	Library/ Media Specialist
Scheduling	
Minor repairs	
Processing new books	
Materials – ordering	
Preliminary website search for curricular match – classroom presentation and bookmarking	

MEDIA SPECIALIST OFFICE		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets	
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Desktop and laptop	Yes
FURNITURE / EQUIPMENT	Casework to include: - Counter top with base and wall cabinets - File cabinets - Bookcase	Yes
	Desk and chair	2
	Networked computer	2
	Printer	1
	Magnetic marker board	Yes
	Small tack board	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Windows: ½ glass wall looking into Reading Stacks and Circulation	Yes
	Clear visibility of Library/ Media Center	Yes
	Operable blinds	Yes
SPECIAL CONSIDERATIONS	Auditory privacy	Yes
	Carpeted flooring	Yes
	Adjacent to Workroom/Storage & Reading Room	Yes

WORKROOM / STORAGE	
ACTIVITIES	PERSONS
Preparing for presentations	Library/Media Specialist
Processing new media	Students
Repair book bindings	Teachers
	Other staff
	Community

WORKROOM / STORAGE		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Electrical outlets with building surge protectors as needed	Yes
	Dedicated circuits with grounds	Yes
	Dimmer for all lights	Yes
TECHNOLOGY	Telephone intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Wireless network equipment	Yes
	Wireless laptops with room for 1 cart for battery recharging	Yes
FURNITURE / EQUIPMENT	Casework to include: - 4 tall storage cabinets with shelving, drawers, and lockable devices	Yes
	Equipment racks	Yes
	Tables, chairs, and student work desks	Yes
	Networked computers	Yes
	Printer and printer tables	Yes
	Portable video conferencing equipment	Yes
	Portable video production equipment	Yes
	Scanner	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Windows: ½ glass wall looking into Reading Stacks and Circulation	Yes
SPECIAL CONSIDERATIONS	Vinyl flooring	Yes

A / V STORAGE

ACTIVITIES

A/V Storage

PERSONS

Teachers

Staff

A / V STORAGE

QTY

MECHANICAL

No Special Requirements

PLUMBING

No Special Requirements

ELECTRICAL & LIGHTING

Duplex outlets on each wall

Yes

Overhead lighting

Yes

TECHNOLOGY

No Special Requirements

FURNITURE / EQUIPMENT

Casework to include:

Countertop with base and wall cabinets

Yes

Lockable storage cabinets

Yes

Abundant wall shelving

Yes

DOORS & WINDOWS

Solid door

Yes

Keypad access

Yes

SPECIAL CONSIDERATIONS

Vinyl tile

Yes

MULTI MEDIA PRODUCTION AREA	
ACTIVITIES	PERSONS
Meeting space for school community	Media Specialist
Quiet reading/study area for student	Media Assistant
	Staff
	Students
	Teachers

MULTI MEDIA PRODUCTION AREA		QTY
MECHANICAL	No special requirements	
PLUMBING	Hot and cold water for sink	Yes
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
	Overhead lighting [dimnable]	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	White board screen on whole wall	Yes
	Ceiling-mounted computer projector with retractable screen and computer	Yes
FURNITURE / EQUIPMENT	Counter top with sink, base, and wall cabinets	Yes
	Modular conference table	1
	Conference chairs	1/25 SF
	Credenza	Yes
	Magnetic marker board	Yes
	Retractable projection screen	1
	Tack board	Yes
	Clock	1
DOORS & WINDOWS	Door: large view panel with optional sidelight	Yes
	Windows: to hallway with mini-blinds	Yes
SPECIAL CONSIDERATIONS	Carpeted flooring	Yes

RESTROOM	
ACTIVITIES	PERSONS
Personal hygiene	Teachers
	Community
	Staff
	Administrators

RESTROOM		QTY
MECHANICAL	Exhaust fan	Yes
PLUMBING	Sink with hot and cold water	1
	Toilet (male / female)	1
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include: - cabinet with mirror	Yes
DOORS & WINDOWS	Door: no view panel	Yes
	Windows: none	Yes
SPECIAL CONSIDERATIONS	Hands-free dispensers	Yes

STAFF DEVELOPMENT		
ACTIVITIES	PERSONS	
Staff Development	Media Specialist	
	Media Assistant	
	Staff	
	Students	
STAFF DEVELOPMENT		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Wireless lab cart	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
FURNITURE / EQUIPMENT	Conference table	Yes
	Conference chairs	Yes
	Side chairs	Yes
	Magnetic marker board	Yes
	Tack board	Yes
	Clock	Yes
	DVD compatible projection or flat screen	Yes
	Lockable cabinets	Yes
DOORS & WINDOWS	Door: solid	Yes
	Windows: large view panel	Yes
SPECIAL CONSIDERATIONS	Carpet flooring	Yes

NETWORK CENTER	
ACTIVITIES	PERSONS
Technology maintenance	District Staff
Technology support	

NETWORK CENTER		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets	Yes
	Additional outlets to support many computers	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Wireless lab cart	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
FURNITURE / EQUIPMENT	Cubicles for multiple Tech Specialists	Yes
	Chairs	Yes
	Desks	Yes
	Shelves and cabinets for storage	Yes
DOORS & WINDOWS	Glass to media center	Yes
	Door to servers and multimedia repair areas	Yes
SPECIAL CONSIDERATIONS	No special considerations	

STUDENT TECH SUPPORT		
ACTIVITIES	PERSONS	
Technology maintenance	Teacher	
Technology support	Students	
Small group instruction		
STUDENT TECH SUPPORT		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets	Yes
	Additional outlets to support many computers	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Wireless lab cart	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
FURNITURE / EQUIPMENT	Cubicles	Yes
	Chairs	Yes
	Desks	Yes
	Shelves and cabinets for storage	Yes
DOORS & WINDOWS	Glass to media center	Yes
	Door to servers and multimedia repair areas	Yes
SPECIAL CONSIDERATIONS	Adjacent to media center	Yes



The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.

Visual Arts

It is the goal of the visual arts program to increase students' skills, knowledge and appreciation of the visual arts. All art labs should allow for multi-use for the visual arts discipline: 3-dimensional, 2-dimensional, and Graphic/Electronic Arts as well as traditional teaching of art appreciation and art history. All spaces should accommodate an "art portrait" area, i.e., photography, creating digital prints, and portfolios. There should be appropriate technology for completing 3-dimensional projects, doing virtual art museum tours and other design work.

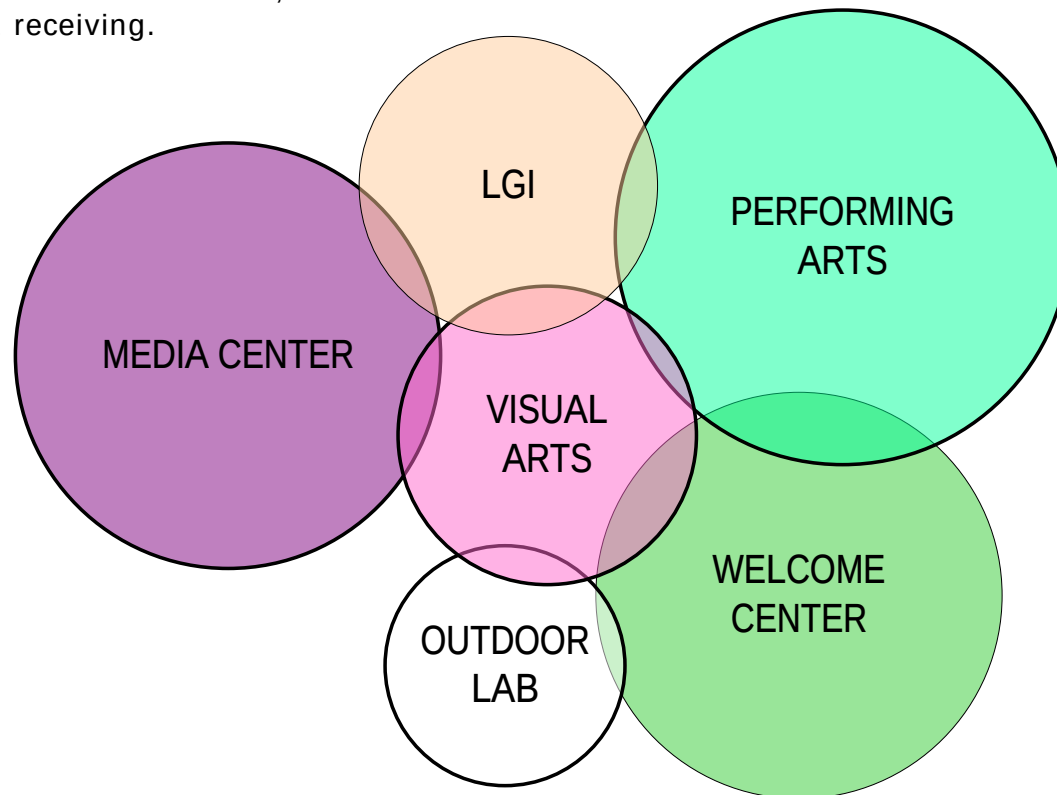
Visual Arts Space Requirements

Visual arts spaces will be shared by each learning community. The pages that follow describe in more detail each program area spaces listed in the space requirements table below.

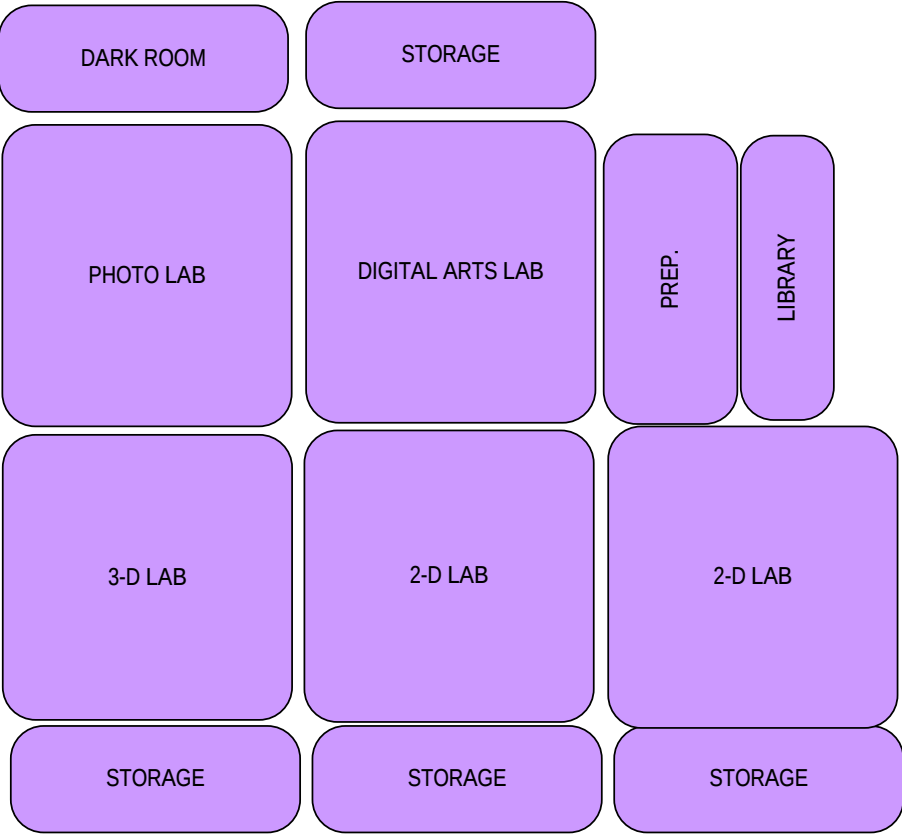
Visual Arts	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
3-D Lab	1	1	1,400	1,400	1	1	1,400	1,400					2	2	2,800	2,800
Kiln Room / Storage		1	200	200		1	200	200						2	400	400
Storage		1	200	200		1	200	200						2	400	400
2-D Lab	1	1	1,200	1,200	1	1	1,200	1,200					2	2	2,400	2,400
Storage		1	200	200		1	200	200						2	400	400
Photo Lab	1	1	1,300	1,300									1	1	1,300	1,300
Dark Room						1	300	300						1	300	300
Teacher Prep Area		1	200	200		1	200	200						2	400	400
Visual Arts Library		1	100	100		1	100	100						2	200	200
Visual Arts Sub-Total	3			4,800	2			3,800					5	0	0	8,600

Visual Arts Spatial Relationships

The Visual Arts program areas are designed for studies in expression and communications in all aspects of two and three dimensional, photographic, cinematic, and digital media. As such, the program should be adjacent to: music and performing arts, large group instruction, welcome center and common areas, technology and resource areas, and convenient to outdoor lab spaces and receiving.



Visual Arts Illustration



3-D ART LAB

ACTIVITIES	PERSONS
Discussion	Students
Demonstration	Teacher
Individual and Group Activities	Other staff
Creating 3-D Works: Ceramics, sculpture, etc.	

3-D ART LAB

		QTY
MECHANICAL	Ventilation for dust control	Yes
	Vented area for mixing toxic fumes	Yes
PLUMBING	Large, deep bowled sinks with hot and cold water, with clay traps	6
	Sinks built as island or peninsula - back to back	Yes
	Floor drains	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Adjustable full-spectrum lighting	Yes
	Movable track lighting	Yes
	Electrical service to support art equipment	Yes
	Electrical drops from ceiling	Yes
TECHNOLOGY	Track lighting for flexibility	Yes
	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Data port for teacher	Yes
	Quad outlets adjacent to each port	Yes
	Ceiling-mounted computer projector	Yes
	Document camera	Yes

3-D ART LAB (continued)		QTY
FURNITURE / EQUIPMENT	Casework to include: - Acid and heat resistant countertops with sink, base, and wall cabinets with adjustable shelves - Bookcases with adjustable shelves - Built-in drying rack - Flat drawer storage for paper and multiple drawers for various papers - Tack board between base and wall cabinets - Clay bins with strong built-in counter	Yes
	Work tables with heavy flat surfaces and chairs	Yes
	Potters' wheels for ceramics	Yes
	Computer tables	Yes
	Vertical rolling cart storage built with vertical slots for individual student portfolios	Yes
	Vertical cabinets with pullout bins for individual student supplies or mini lockers	Yes
	Built in vertical slots open in front for canvases	Yes
	Cabinets for storing 3-D work and supplies	Yes
	Tack boards and tack strips	Yes
	Marker boards	Yes
	Network computers	Yes
	Computer projector	Yes
DOORS & WINDOWS	Double glass doors	Yes
	Windows: operable, with blinds to allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural lighting	Yes
	Access to outside	Yes
	Design space for ease in clean-up	Yes
	Vinyl flooring	Yes
	Drapes to darken room	Yes
	Secure display surfaces/areas for exhibiting art in corridors	Yes

KILN ROOM / STORAGE		
ACTIVITIES	PERSONS	
Store ceramics	Students	
Firing of student projects	Teacher	
Storage of projects, equipment, and	Aids	
KILN ROOM / STORAGE		QTY
MECHANICAL	Adequate ventilation for kiln	Yes
	Air conditioning	Yes
PLUMBING	Sink with hot and cold water	Yes
ELECTRICAL / LIGHTING	Appropriate wiring for kiln	Yes
	Duplex electrical outlets on each wall	Yes
	See manufacturers requirements for power and venting	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include: -Adjustable, deep shelving built to ceiling height -File cabinets	Yes
	Storage for wet clay projects (green ware rack)	Yes
	Metal cabinets for storing glaze	Yes
	Shelving for projects	Yes
	Clay bin	Yes
	Kiln with vent	Yes
	Layout of room to maximize storage	Yes
DOORS & WINDOWS	Door: appropriate for high temperature	Yes
	No Windows	
SPECIAL CONSIDERATIONS	Door to include tack board	Yes
	Tile flooring	Yes

ART STORAGE	
ACTIVITIES	PERSONS
Storage of projects, equipment, and	Teacher
	Students

ART STORAGE		QTY
MECHANICAL	No special requirements	
PLUMBING	Sink with hot and cold water	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include: - Adjustable, deep shelving built to ceiling height - Large, flat paper storage drawers - File cabinets - Cabinets with pullout bins for supplies	Yes
	Tall center table for paper cutter	Yes
DOORS & WINDOWS	Door: view panel	Yes
	No Windows	
SPECIAL CONSIDERATIONS	Door to include tack board	Yes
	Tile flooring	Yes

2-D ART LAB	
ACTIVITIES	PERSONS
Discussion	Students
Demonstration	Teacher
Individual and group activities	Other staff
Creating 2-D works:	

2-D ART LAB		QTY
MECHANICAL	Ventilation for dust control	Yes
PLUMBING	Large, deep bowled sinks with hot and cold water	6
	Sinks built as island or peninsula - back to back	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Adjustable full-spectrum lighting	Yes
	Movable track lighting	Yes
	Electrical service to support art equipment	Yes
	Electrical drops from ceiling	Yes
	Track lighting for flexibility	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Data port for teacher	Yes
	Quad outlets adjacent to each port	Yes
	Ceiling-mounted computer projector	Yes
	Document camera	Yes

2-D ART LAB (continued)		QTY
FURNITURE / EQUIPMENT	Casework to include: - Acid and heat resistant countertops with sink, base, and wall cabinets with adjustable shelves - Bookcases with adjustable shelves - Built-in drying rack - Flat drawer storage for paper and multiple drawers for various papers - Tack board between base and wall cabinets	Yes
	Work tables with heavy flat surfaces and chairs	Yes
	Computer tables	Yes
	Vertical rolling cart storage built with vertical slots for individual student portfolios	Yes
	Vertical cabinets with pullout bins for individual student supplies or mini lockers	Yes
	Built in vertical slots open in front for canvases	Yes
	Tack boards and tack strips	Yes
	Marker boards	Yes
	Network computers	Yes
DOORS & WINDOWS	Double glass doors	Yes
	Windows: operable, with blinds to allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural lighting	Yes
	Access to outside	Yes
	Design space for ease in clean-up	Yes
	Vinyl flooring	Yes
	Drapes to darken room	Yes
	Secure display surfaces/areas for exhibiting art in corridors for 2-	Yes

PHOTO LAB		
ACTIVITIES	PERSONS	
Photography	Students	
Small group instruction	Teacher	
Large group instruction	Other staff	
PHOTO LAB		QTY
MECHANICAL	Ventilation	Yes
PLUMBING	Sink with hot/cold water	6
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Data port for teacher	Yes
	Quad outlets adjacent to each port	Yes
FURNITURE / EQUIPMENT	Casework to include: - Acid and heat resistant countertops with sink, base, and wall cabinets with adjustable shelves - Bookcases with adjustable shelves - Built-in drying rack - Flat drawer storage for paper and multiple drawers for various papers - Tack board between base and wall cabinets	Yes
	Work tables with heavy flat surfaces and chairs	Yes
	Computer tables	Yes
	Printer and table	Yes
	Light tables	Yes
	Scanner	Yes
	Tack boards and tack strips	Yes
	Marker boards	Yes
	Computer projector	Yes
DOORS & WINDOWS	Door to Dark Room	Yes
	Windows: operable, with blinds to allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural lighting	Yes
	Access to outside	Yes
	Design space for ease in clean-up	Yes
	Vinyl flooring	Yes
	Drapes to darken room	Yes

DARK ROOM	
ACTIVITIES	PERSONS
Photography	Students
	Teacher
	Other Staff

DARK ROOM		QTY
MECHANICAL	Ventilation system	Yes
PLUMBING	Stainless steel sink	6
	Water filtration system	Yes
	Hot/cold water	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Duplex outlets	Yes
	Appropriate lighting controls	Yes
FURNITURE / EQUIPMENT	Enlargers	Yes
	Easels	Yes
	Proofer	Yes
	Chemical Trays	Yes
	Film washer	Yes
	Print washer	Yes
DOORS & WINDOWS	Revolving dark room door	Yes
	No windows	Yes
SPECIAL CONSIDERATIONS	Access to Photo Lab	Yes
	Design space for ease in clean-up	Yes
	Vinyl flooring	Yes

TEACHER PREP AREA	
ACTIVITIES	PERSONS
Project Preparation	Teacher
	Staff
	Students

TEACHER PREP AREA		QTY
MECHANICAL	No special requirements	Yes
PLUMBING	Sink with hot/cold water	6
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlets adjacent to each port	Yes
FURNITURE & EQUIPMENT	Desk	Yes
	Chair	Yes
	File Cabinets	Yes
	Storage	Yes
DOORS & WINDOWS	View panel door	Yes
SPECIAL CONSIDERATIONS	No special considerations	Yes

VISUAL ARTS LIBRARY		
ACTIVITIES	PERSONS	
Research	Students	
Storage	Teacher	
	Other staff	
VISUAL ARTS LIBRARY		QTY
MECHANICAL	No special requirements	Yes
PLUMBING	No special requirements	6
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Lighting	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlets adjacent to each port	Yes
FURNITURE / EQUIPMENT	Flexible table and chair	Yes
	Shelving	Yes
	Cabinets	
	Flat storage racks	Yes
DOORS & WINDOWS	Windows into art spaces	Yes
SPECIAL CONSIDERATIONS	No special considerations	Yes



An important consideration for all music and performing arts spaces is flat flooring without steps, to ease transitions and movement of instruments scenery in and out of the building.

Music / Performing Arts

It is the goal of the music program to increase students' knowledge and appreciation of music and the performing arts.

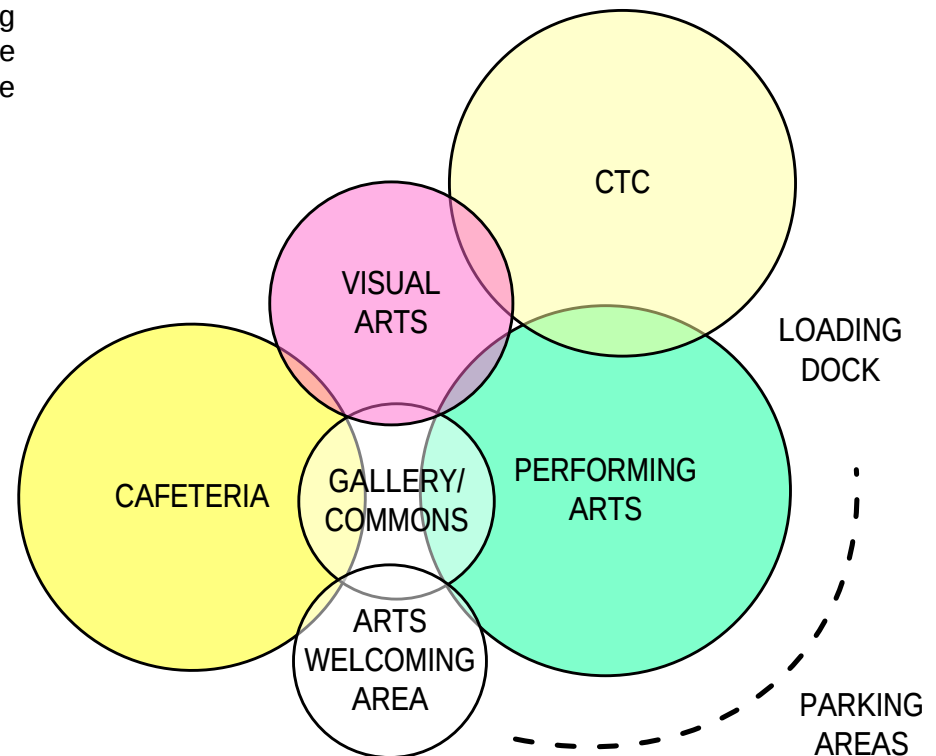
The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.

Music / Performing Arts Space Requirements

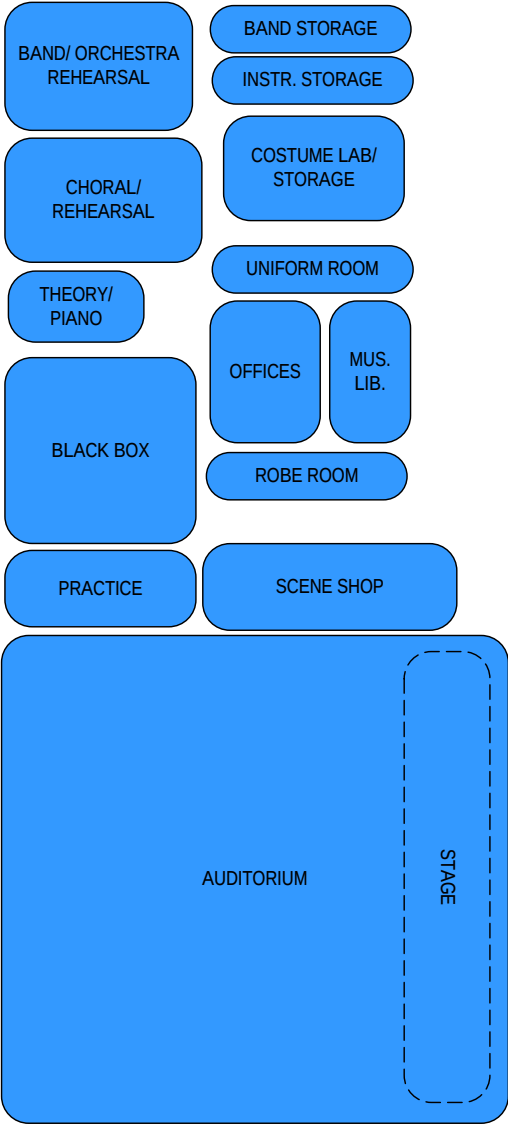
Music / Performing Arts	Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Choral Room	1	1	1,800	1,800	1	1	1,800	1,800
Robe Storage		1	600	600		1	600	600
Band/Orchestra Rehearsal Room	1	1	3,000	3,000	1	1	3,000	3,000
Band Storage		1	600	600		1	600	600
Instrument Storage		1	600	600		1	600	600
Uniform Storage		1	500	500		1	500	500
Practice rooms		4	50	200		4	50	200
Large Practice Room		1	200	200		1	200	200
Auditorium Seating		1	7,000	7,000		1	7,000	7,000
Control Booth		1	200	200		1	200	200
Auditorium Stage		1	3,600	3,600		1	3,600	3,600
Scene Shop (Locate adjacent to Wood, shared areas)		1	2,000	2,000		1	2,000	2,000
Make Up/Dressing		2	400	800		2	400	800
Storage (Costumes, Props)		1	500	500		1	500	500
Restrooms		2	50	100		2	50	100
Offices		3	150	450		3	150	450
Music Library		1	400	400		1	400	400
Theory/Piano Room	1	1	1,000	1,000	1	1	1,000	1,000
Black Box Theater/TV Studio	1	1	2,000	2,000	1	1	2,000	2,000
TV Control Rm		1	300	300		1	300	300
Music/ Performing Arts Sub-Total	4			25,850	4	0	0	25,850

Music / Performing Arts Spatial Relationships

Music/performing arts spaces will be shared by each learning community. Music/ performing arts should be adjacent to Visual Arts. Members of the community will also use the music/performing arts before, after, and possibly during school hours. For this reason, there should be access to the outside, a separate secured entry, and a location near the Welcome Center.



Music / Performing Arts Illustration



CHORAL ROOM	
ACTIVITIES	PERSONS
Rehearsals	Students
Gathering performance area	Teachers
Recitals	Parents
Meeting area for school and community	Volunteers
Instruction	Other staff
Recording of performances	Community

CHORAL ROOM		QTY
MECHANICAL	Quiet HVAC system [noise from mechanical equipment should not be audible in classroom]	Yes
	Climate controlled	Yes
PLUMBING	Sink with hot and cold water	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Video and data ports	Yes
	Telephone/intercom/voicemail port	Yes
	Data port for teacher	Yes
	Quad outlet adjacent to each data port	Yes
	Ceiling-mounted computer projector with retractable screen	Yes
	Sound system w/microphones, amplifier, mixer, MIDI, speaker for recording and playing back student rehearsals, performances	Yes
	Ceiling-mounted recording microphones	Yes

CHORAL ROOM		QTY
FURNITURE / EQUIPMENT	Casework to include: - Countertops with sink, base, and wall cabinets - 4 tall storage cabinets with shelving, drawers, and lockable doors - Adjustable height bookshelves - Wardrobe cabinets - Music storage cabinets, lockable	Yes
	Musician ergonomic chairs and stands	Yes
	Portable music stand storage	Yes
	Conductor's chair, podium, and stand	Yes
	Printer and printer table	Yes
	Desk and chair	Yes
	Portable risers and guard rails	Yes
	Electronic keyboard and upright piano	Yes
	CD/DVD player/burner, tape player, and video camera	Yes
	Networked computers	Yes
	Magnetic marker board with music staff on one section	Yes
	Tack boards and strips	Yes
	Instrument storage cabinets	Yes
	Keyboard lab tables	Yes
	Moveable teaching cart [portable]	Yes
	Microphones & speakers	Yes
	Metronome	Yes
	Teacher amplification system	Yes
	Digital recording system	Yes
DOORS & WINDOWS	Door: double doors that lead onto stage	Yes
	Windows: operable, with blinds to allow for controlled lighting	Yes
SPECIAL CONSIDERATIONS	Appropriate acoustical treatment	Yes
	High ceilings	Yes
	Direct access to stage from music room [if possible]	Yes

STORAGE (ROBES, MUSIC)	
ACTIVITIES	PERSONS
Storage of: textbooks instruments choir robes supplies equipment	Teacher
	Students

STORAGE (ROBES, MUSIC)		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	At least 2 duplex electrical outlet on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include: - Heavy duty, adjustable shelving on 2 walls - Filing cabinets	Yes
	Closets for choir robes and band uniforms	Yes
	Music folio cabinet, one per performing group or period	Yes
	Instrument storage shelving	Yes
	Storage cart for sound system	Yes
	Moveable teaching cart [portable]	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special requirements	Yes
SPECIAL CONSIDERATIONS	2 Story - possibly in the mezzanine of the auditorium	Yes
	Security and visibility	Yes

BAND / ORCHESTRA REHEARSAL ROOM	
ACTIVITIES	PERSONS
Rehearsals	Students
Gathering performance area	Teachers
Recitals	Parents
Meeting area for school and	Volunteers
Instruction	Other staff
Recording	Community

BAND / ORCHESTRA REHEARSAL ROOM		QTY
MECHANICAL	Quiet HVAC system [noise from mechanical equipment should not be audible in classroom]	Yes
	Climate controlled	Yes
PLUMBING	Sink with hot and cold water	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Video and data ports	Yes
	Telephone/intercom/voicemail port	Yes
	Data port for teacher	Yes
	Quad outlet adjacent to each data port	Yes
	Ceiling-mounted computer projector with retractable screen	Yes
	Sound system w/microphones, amplifier, mixer, MIDI, speaker for recording and playing back student rehearsals, performances	Yes
	Ceiling-mounted recording microphones	Yes
	Document camera	Yes
	Interactive whiteboard	Yes

BAND / ORCHESTRA REHEARSAL ROOM		QTY
FURNITURE / EQUIPMENT	Casework to include: - Countertops with sink, base, and wall cabinets - 4 tall storage cabinets with shelving, drawers, and lockable doors - Adjustable height bookshelves - Wardrobe cabinets - Music storage cabinets, lockable	Yes
	Musician ergonomic chairs and stands	Yes
	Conductor's chair, podium, and stand	Yes
	Printer and printer table	Yes
	Desk and chair [foldable]	Yes
	Portable risers and guard rails	Yes
	Electronic keyboard [MIDI compatible]	Yes
	CD/DVD player/burner, tape player, and video camera	Yes
	Networked computers	Yes
	Magnetic marker board with music staff on one section	Yes
	Tack boards and strips	Yes
	Instrument storage cabinets	Yes
	Keyboard and MIDI workstations	Yes
	Moveable teaching cart [portable]	Yes
	Microphones & speakers	Yes
	Metronome	Yes
	Teacher amplification system	Yes
	Digital recording system	Yes
	Keyboard stands and cases	Yes
DOORS & WINDOWS	Door: double doors that lead onto stage, no center bar	Yes
	Exterior double doors with no center bar	Yes
	Windows: operable, with blinds to allow for controlled lighting	Yes
SPECIAL CONSIDERATIONS	Appropriate acoustical treatment	Yes
	Direct access to stage from music room [if possible]	Yes
	High ceilings	Yes
	STET software	Yes
	Brass water valves	Yes

BAND STORAGE (INSTRUMENTS, MUSIC)	
ACTIVITIES	PERSONS
Storage of: textbooks supplies band uniforms equipment	Teacher
	Students

BAND STORAGE (INSTRUMENTS, MUSIC)		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	At least 2 duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include: - Heavy duty, adjustable shelving on 2 walls - Filing cabinets	Yes
	Music folio cabinet, one per performing group or period	Yes
	Instrument storage shelving	Yes
	Storage cart for sound system	Yes
	Moveable teaching cart [portable]	Yes
	Microphones & speakers	Yes
	Metronome	Yes
	Teacher amplification system	Yes
	Digital recording system, updated as technology improves	Yes
DOORS & WINDOWS	Door: view panel	Yes
SPECIAL CONSIDERATIONS	Shelving to optimize storage	Yes
	Hanging rods for uniforms	Yes
	Security and visibility	Yes

INSTRUMENT STORAGE	
ACTIVITIES	PERSONS
Storage of:	Teacher
Instruments	Students

INSTRUMENT STORAGE		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	At least 2 duplex electrical outlet on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include: - Heavy duty, adjustable shelving on 2 walls	Yes
	Instrument Storage units	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special requirements	Yes
SPECIAL CONSIDERATIONS	Security and visibility	Yes

UNIFORM STORAGE	
ACTIVITIES	PERSONS
Storage of: Uniforms	Teacher
	Students

UNIFORM STORAGE		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	At least 2 duplex electrical outlet on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include: - Heavy duty, adjustable shelving on 2 walls	Yes
	Closets for choir robes and band uniforms	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special requirements	Yes
SPECIAL CONSIDERATIONS	Security and visibility	Yes

PRACTICE ROOMS	
ACTIVITIES	PERSONS
Provides an exclusive area for student musical practice and one-on-one instruction	Students
Recording performances	Teachers

PRACTICE ROOMS		QTY
MECHANICAL	No special requirements	
PLUMBING	Drinking fountain near vocal practice rooms	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlet	Yes
	Quad outlet adjacent to each data port	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Chairs	Yes
	Music stands	Yes
	Mirror	Yes
	Acoustic tiling	Yes
DOORS & WINDOWS	Door: secure, sound proof, with view panel	Yes
	Window: secure, sound proof	Yes
SPECIAL CONSIDERATIONS	Sound proof walls	Yes
	Adjacent to music room and instrument storage	Yes
	Visibility from music room/band room	Yes
	Carpet flooring	Yes

LARGE PRACTICE ROOM	
ACTIVITIES	PERSONS
Provides an exclusive area for student musical practice and one-on-one instruction	Students
Small ensembles	Teachers
Recording performances	

LARGE PRACTICE ROOM		QTY
MECHANICAL	No special requirements	
PLUMBING	Drinking fountain near vocal practice rooms	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlet	Yes
	Quad outlet adjacent to each data port	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Chairs	Yes
	Music stands	Yes
	Mirror	Yes
	Acoustic tiling	Yes
DOORS & WINDOWS	Door: secure, sound proof, with view panel	Yes
	Window: secure, sound proof	Yes
SPECIAL CONSIDERATIONS	Sound proof walls	Yes
	Adjacent to music room and instrument storage	Yes
	Visibility from music room/band room	Yes
	Carpet flooring	Yes

AUDITORIUM SEATING	
ACTIVITIES	PERSONS
Student performances	Staff members
School and community program,	Community – primarily after school hours
Faculty meetings	Students
Class instruction	

AUDITORIUM SEATING		QTY
MECHANICAL	Quiet separate zone	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Variable lighting levels	Yes
	Theater lighting	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Audio enhancement system	Yes
	Sound system with portable or wireless microphones	Yes

AUDITORIUM SEATING		QTY
FURNITURE / EQUIPMENT	CD/DVD player	Yes
	Equipment rack in control closet	Yes
	Computer projector	Yes
	Large, retractable projection screen	Yes
DOORS & WINDOWS	Overhead doors	Yes
	Door: double doors with access to outside courtyard/dining area	Yes
	Windows: None	Yes
SPECIAL CONSIDERATIONS	Good sight lines to all areas of the room for supervision	Yes
	Acoustic sound panels	Yes
	Wing space	Yes
	Fly system	Yes
	Control closet with light and sound control box	Yes
	Sloped floor	Yes
	Fixed seats	Yes
	First several rows of seats removable to create orchestra space or orchestra pit	Yes

CONTROL BOOTH	
ACTIVITIES	PERSONS
Control of audio and lighting systems of Auditorium	Students
	Teachers

CONTROL BOOTH		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Overhead lighting [dimmable]	Yes
	Multiple duplex outlets above work counter	Yes
	Coordinate power requirements with lighting and sound	Yes
TECHNOLOGY	Intercom	Yes
	Wireless headset communication to Stage	Yes
	Plug-ins for lighting and sound boards	Yes
FURNITURE / EQUIPMENT	Built-in work counter	Yes
	Adjustable height swivel stools	Yes
DOORS & WINDOWS	Door: secure with small view panel	Yes
	Windows: sliding glass window to Auditorium	Yes
SPECIAL CONSIDERATIONS	Acoustical ceiling	Yes
	Dark colored walls	Yes

AUDITORIUM STAGE	
ACTIVITIES	PERSONS
Provides multi-function place for student and community	Students
Musical and dramatic performances and rehearsals	Teachers
Student assemblies	Staff
Awards programs	Parents
Presentations	Community members
Guest speakers	
Community meetings	
Large group instruction	

AUDITORIUM STAGE		QTY
MECHANICAL	No special requirements	
PLUMBING	Fire sprinkler is under stage if storage in under stage	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets	Yes
	Stage lighting	Yes
	Quad outlets adjacent to each data port	Yes
	Audio ports	Yes
TECHNOLOGY	Voice port/phone	Yes
	Data ports and access to wireless network	Yes

AUDITORIUM STAGE (continued)		QTY
FURNITURE / EQUIPMENT	Upright piano	Yes
	Microphones	Yes
	Curtain	Yes
	Side curtains	Yes
	Pit cover [if there is an orchestra pit]	Yes
	Acoustic music shell and portable risers [instrumental and choral]	Yes
	Back drop screen	Yes
	Video production/projection screen	Yes
DOORS & WINDOWS	Large overhead door from stage to scene shop	Yes
SPECIAL CONSIDERATIONS	Adjacent to auditorium and along edge that allow for the best sight lines of spectators to platforms	Yes
	Wing space - Minimum 10' on each side	Yes
	Wood flooring, also conducive for dance programs	Yes
	Adjacent to or in close proximity to music room and art room and drama room	Yes
	Pulleys and rigging for backdrop scenery	Yes
	Full fly space (Minimum 40' clearance)	Yes
	Storage area under stage	Yes
	Handicap access for raised stage	Yes

SCENE SHOP	
ACTIVITIES	PERSONS
Preparation of props and scenery for use on Stage such as carpentry and painting	Students
	Teachers

SCENE SHOP		QTY
MECHANICAL	No special requirements	
PLUMBING	Sink with hot and cold water	Yes
ELECTRICAL / LIGHTING	Duplex outlets at 5' OC	Yes
	Uniform fluorescent lighting	Yes
TECHNOLOGY	Intercom	Yes
	Voice, video, and data ports	Yes
FURNITURE / EQUIPMENT	2' deep storage racks for tools and props	Yes
	Flammable materials storage cabinets	Yes
	Work benches	Yes
	Power tools	Yes
	Adjustable height stools	Yes
	Racks for storing backdrops	Yes
	Woodworking equipment	Yes
	Painting equipment	Yes
DOORS & WINDOWS	Large overhead door to outside dock	Yes
	Large overhead door to stage	Yes
SPECIAL CONSIDERATIONS	Ventilation	Yes
	Recessed flooring	Yes
	Sealed concrete floor	Yes
	Paint rack area at one wall	Yes
	Adjacent to Stage	Yes

MAKE-UP / DRESSING	
ACTIVITIES	PERSONS
Preparation of make-up and costumes for performances	Students
	Teachers
	Community members
	Staff

MAKE-UP / DRESSING		QTY
MECHANICAL	No special requirements	
PLUMBING	Sinks with hot and cold water	Yes
ELECTRICAL / LIGHTING	Make-up lighting at mirrors	Yes
TECHNOLOGY	Intercom	Yes
	Voice and data ports	Yes
FURNITURE / EQUIPMENT	Make-up counter with adjustable height chairs	Yes
	Mirrors with lighting above and adjacent	Yes
DOORS & WINDOWS	Solid doors	Yes
SPECIAL CONSIDERATIONS	Privacy and security	Yes

STORAGE (COSTUMES, PROPS)	
ACTIVITIES	PERSONS
Storage for equipment, materials, props, and costumes	Students
	Teachers
	Staff
	Community members
	Parents

STORAGE (COSTUMES, PROPS)		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlet	Yes
	Quad outlet adjacent to each data port	Yes
TECHNOLOGY	No special requirements	Yes
FURNITURE / EQUIPMENT	Closet rods	Yes
DOORS & WINDOWS	Doors: double doors to Stage	Yes
SPECIAL CONSIDERATIONS	Adjacent to stage	Yes
	2 Story - possibly in the mezzanine of the auditorium	Yes
	Large door opening	Yes

RESTROOMS	
ACTIVITIES	PERSONS
Personal hygiene	Students

RESTROOMS		QTY
MECHANICAL	Exhaust fan	1
	Intake and outake ventilation	1
PLUMBING	Sinks with hot and cold water	2
ELECTRICAL / LIGHTING	Duplex outlets on each wall	4
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include cabinet with mirror	1
	Biohazard disposal can	1
DOORS & WINDOWS	Solid doors	1
SPECIAL CONSIDERATIONS	Separate from dressing room	

OFFICES		
ACTIVITIES	PERSONS	
Meeting with students	School staff	
Teacher class preparation	Band, orchestra, and chorus instructors	
	Students	
OFFICES		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Locking file cabinet, 4 drawer	1 to 2
	Clock	1
	File lateral drawer	Yes
	Desk	1
	Desk chair	1
	Guest chairs	2
	Lamps	Yes
	Bookshelves	18LF
	Marker board	4LF
	Laptop computer	1
	Printer	1
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special considerations	Yes
SPECIAL CONSIDERATIONS	Bright, soft lighting	Yes
	Tile	Yes

MUSIC LIBRARY	
ACTIVITIES	PERSONS
Storage of sheet music	School staff
Storage of other music materials	Band, orchestra, and chorus instructors
	Students

MUSIC LIBRARY		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Locking file cabinet, 4 drawer	1 to 2
	File lateral drawer	Yes
	Bookshelves	18LF
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special considerations	Yes
SPECIAL CONSIDERATIONS	Bright, soft lighting	Yes
	Tile	Yes

THEORY/PIANO ROOM	
ACTIVITIES	PERSONS
Music and Keyboarding instruction	Students
	Teachers
	Staff
	Community members
	Parents

THEORY/PIANO ROOM		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	With light grid	Yes
	Duplex electrical outlets on each wall	Yes
	Overhead lighting	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Data ports	Yes
FURNITURE / EQUIPMENT	Movable auditorium-like seating	Yes
DOORS & WINDOWS	Doors with view panel	Yes
	Windows: operable with blinds to allow for controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Access to storage	Yes
	Movable stage	Yes

BLACKBOX THEATER / TV STUDIO	
ACTIVITIES	PERSONS
Small performances	Students
Group instruction	Teachers
Television production	Staff
	Community members
	Parents

BLACKBOX THEATER / TV STUDIO		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Banked switching to allow for adjustable lighting levels	Yes
	Appropriate theater and television lighting	Yes
TECHNOLOGY	Voice port/phone	Yes
	Data ports and access to wireless network	Yes

BLACKBOX THEATER / TV STUDIO		QTY
FURNITURE / EQUIPMENT	CD/DVD Player	Yes
	Television Recording equipment	Yes
	Back drop screen	Yes
	Video production/projection screen	Yes
DOORS & WINDOWS	Double doors	Yes
	No windows	Yes
SPECIAL CONSIDERATIONS	Proximity to auditorium and scene shop	Yes

TV CONTROL ROOM	
ACTIVITIES	PERSONS
Control of TV Systems	Students
Television production	Teachers

TV CONTROL ROOM		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Overhead lighting [dimable]	Yes
	Multiple duplex outlets	Yes
	Coordinate power requirements with lighting and sound	Yes
TECHNOLOGY	Intercom	Yes
	Wireless headset communication to Blackbox Theater	Yes
	Plug-ins for lighting and sound boards	Yes
FURNITURE / EQUIPMENT	Built-in work counter	Yes
	Adjustable height swivel stools	Yes
DOORS & WINDOWS	Door: secure with small view panel	Yes
	Window with view of Black Box TV Studio	Yes
SPECIAL CONSIDERATIONS	Acoustical ceiling	Yes
	Adjacent to Black Box TV Studio	Yes



Large Group Instruction

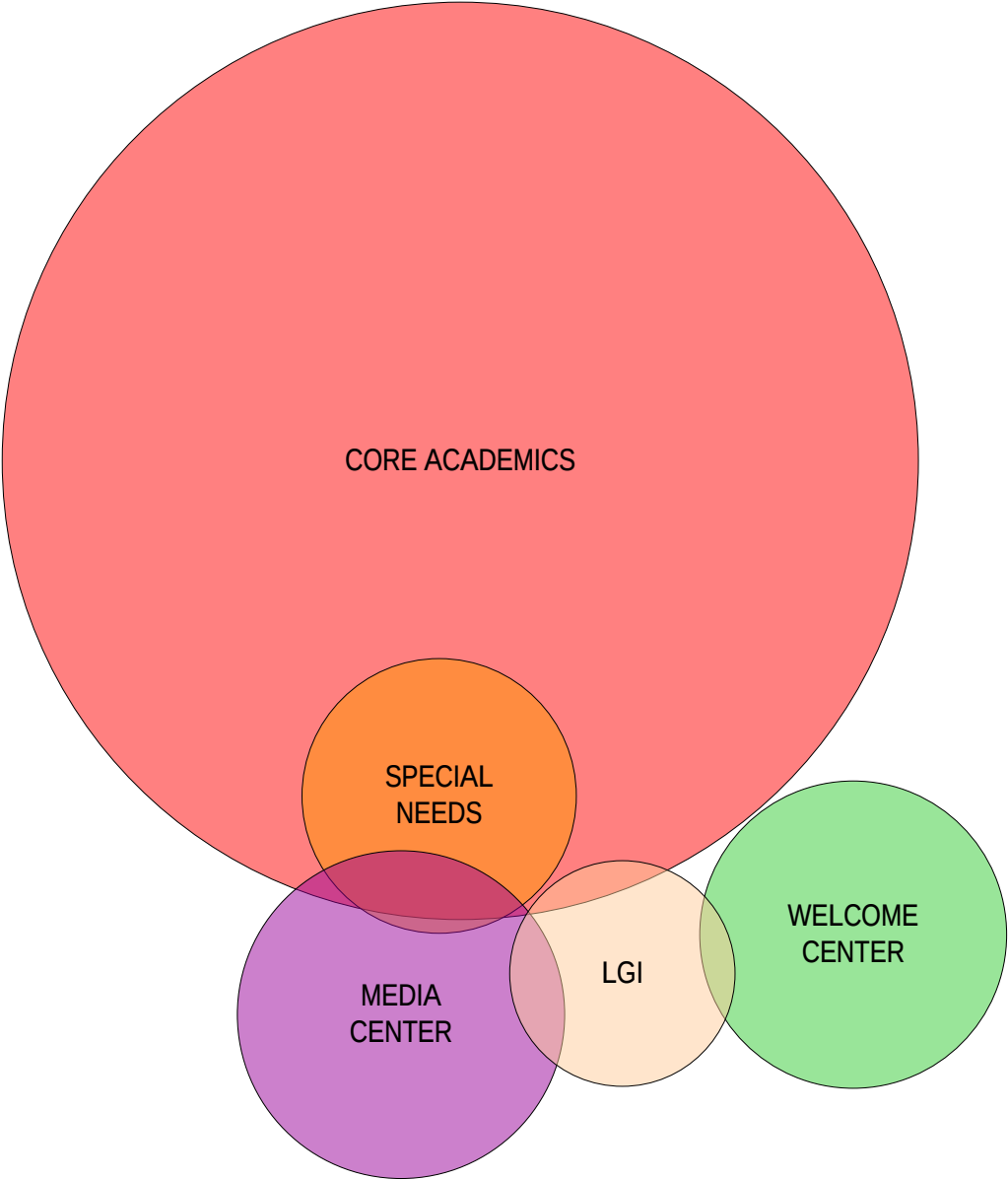
Large group instruction rooms are versatile spaces that may include fixed or moveable seating to accommodate larger groups of students, teachers, and/or staff than typical classrooms.

Large Group Instruction Space Requirements

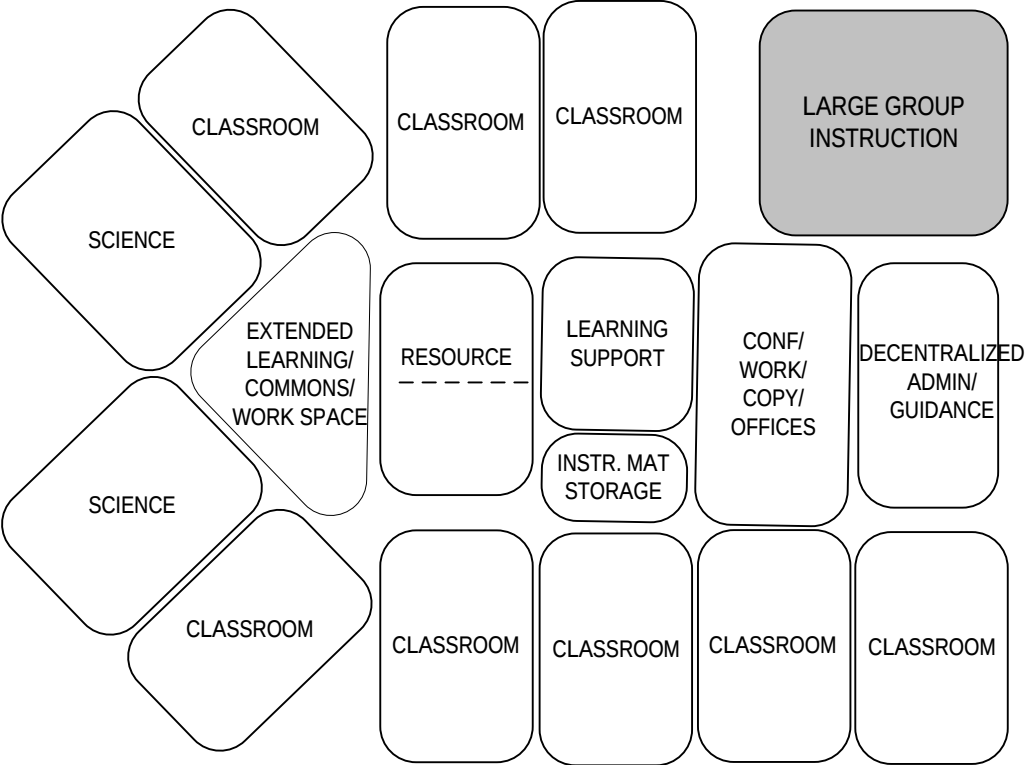
Large Group Instruction [LGI]	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Large Group Instruction [LGI]	1	1	2,400	2,400	1	1	2,400	2,400					2	2	4,800	4,800
Storage		1	100	100		1	100	100						2	200	200
LGI Sub-Total	1			2,500	1			2,500	0			0	2	0	0	5,000

Large Group Instruction Spatial Relationships

The Large Group Instruction Room should be accessible to the public and be adjacent to the welcome center.



Large Group Instruction Spatial Illustration



LARGE GROUP INSTRUCTION ROOM	
ACTIVITIES	PERSONS
Presentations	Students
Debates	Teachers
Lecture	Community
Senior Meetings	Staff
Testing	
Guest Speakers	
Faculty Meetings	
Community Meetings	
Professional Development	

LARGE GROUP INSTRUCTION ROOM		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Dimmable lighting	Yes
	Microphones with sound system	Yes
	Data ports	Yes
	Electrical outlets	Yes
TECHNOLOGY	Ceiling mounted projector	Yes
	Retractable projection Screen	Yes
	Wireless laptop access	Yes
	Interactive whiteboard	Yes
FURNITURE / EQUIPMENT	Fixed seating	Yes
	Narrow lecture style table with built-in raceways and modesty panels	Yes
	Ergonomic chairs	Yes
	Podium	Yes
DOORS & WINDOWS	Door with view panel	Yes
SPECIAL CONSIDERATIONS	Mobile walls	Yes
	Convention Style	Yes
	Tiered	Yes

STORAGE		
ACTIVITIES	PERSONS	
Storage	Staff	
STORAGE	QTY	
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Case work to include: - countertop with base and wall cabinets - Lockable storage cabinets - Wall shelving - Lateral files	Yes
	Fireproof storage cabinet	Yes
	Clock	Yes
DOORS & WINDOWS	Solid, lockable door	Yes
SPECIAL CONSIDERATIONS	Tile flooring	Yes
	Optimize layout for storage	Yes



Physical Education Goals: The goal of the physical education curricula is to ensure that all students will:

- Learn about the health issues that affect their lives
- Learn how to become more physically fit
- Have a greater understanding of the need for physical fitness and health
- Gain the skills to become more productive individuals through physical activity and training
- Learn team activities and sportsmanship
- Practice and/or maintain a healthy lifestyle
- Learn and practice methods of self-assessment

The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas, and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.

Gym / Physical Education

A variety of indoor and outdoor areas will be required to meet the physical education/health, athletic, and recreation needs of the students and the residents of the school division that will use these facilities.

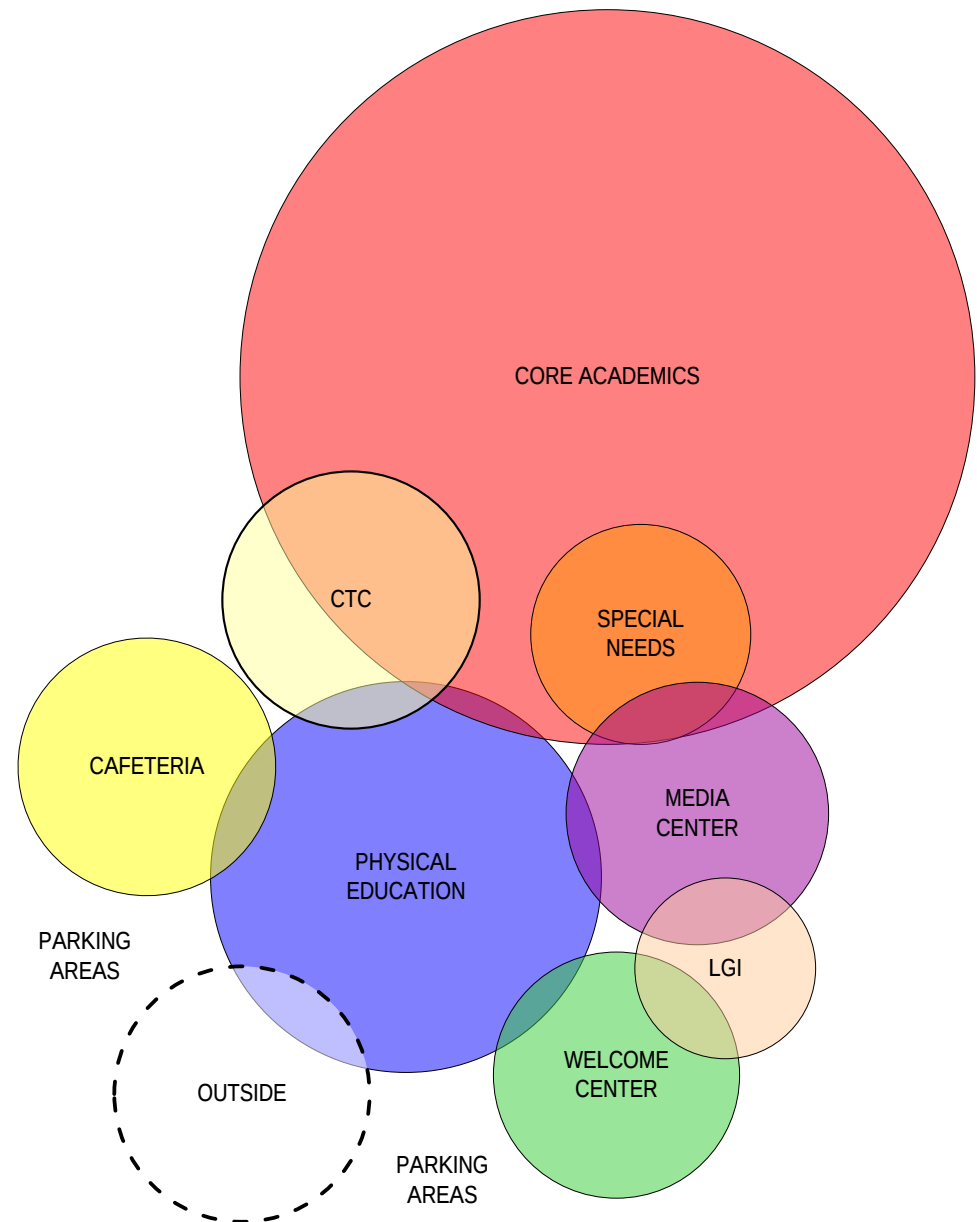
Gym / Physical Education Space Requirements

Physical Education	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Gym	2	1	10,000	10,000	3	1	18,000	18,000					5	2	28,000	28,000
Storage		1	1,000	1,000		1	2,000	2,000						2	3,000	3,000
Community Storage		1	500	500		1	500	500							1,000	1,000
Auxiliary Gym					1	1	8,000	8,000					1	1	8,000	8,000
Shower/Locker Room		2	2,000	4,000		2	2,000	4,000						4	4,000	8,000
Wrestling					1	1	4,000	4,000					1	1	4,000	4,000
Pool					1	1	8,000	8,000					1	1	8,000	8,000
Pool Shower/Locker Room						2	1,000	2,000						2	1,000	2,000
Team Shower/Locker Room		2	1,000	2,000		2	1,000	2,000						4	2,000	4,000
Training / Rehab / Cardio Classroom						1	1,000	1,000						1	1,000	1,000
Coaches Office/Conference		2	500	1,000		2	500	1,000						4	1,000	2,000
Coaches Toilets/Shower						2	200	400						2	200	400
Laundry		1	200	200		1	200	200						2	400	400
Health Classroom [divider wall between 2 classrooms]	2	2	900	1,800	2	2	900	1,800					4	4	1,800	3,600
Concessions		1	300	300		1	500	500						2	800	800
Athletic Director's Office Area						1	500	500						1	500	500
Fitness Center Complex	1	1	5,000	5,000	1	1	2,000	2,000					2	2	7,000	7,000
PE Offices		2	400	800		2	400	800						4	800	1,600
Bag Room		1	200	200		1	200	200						2	400	400
Physical Education Sub-Total	5			26,800	9			56,900					14			83,700

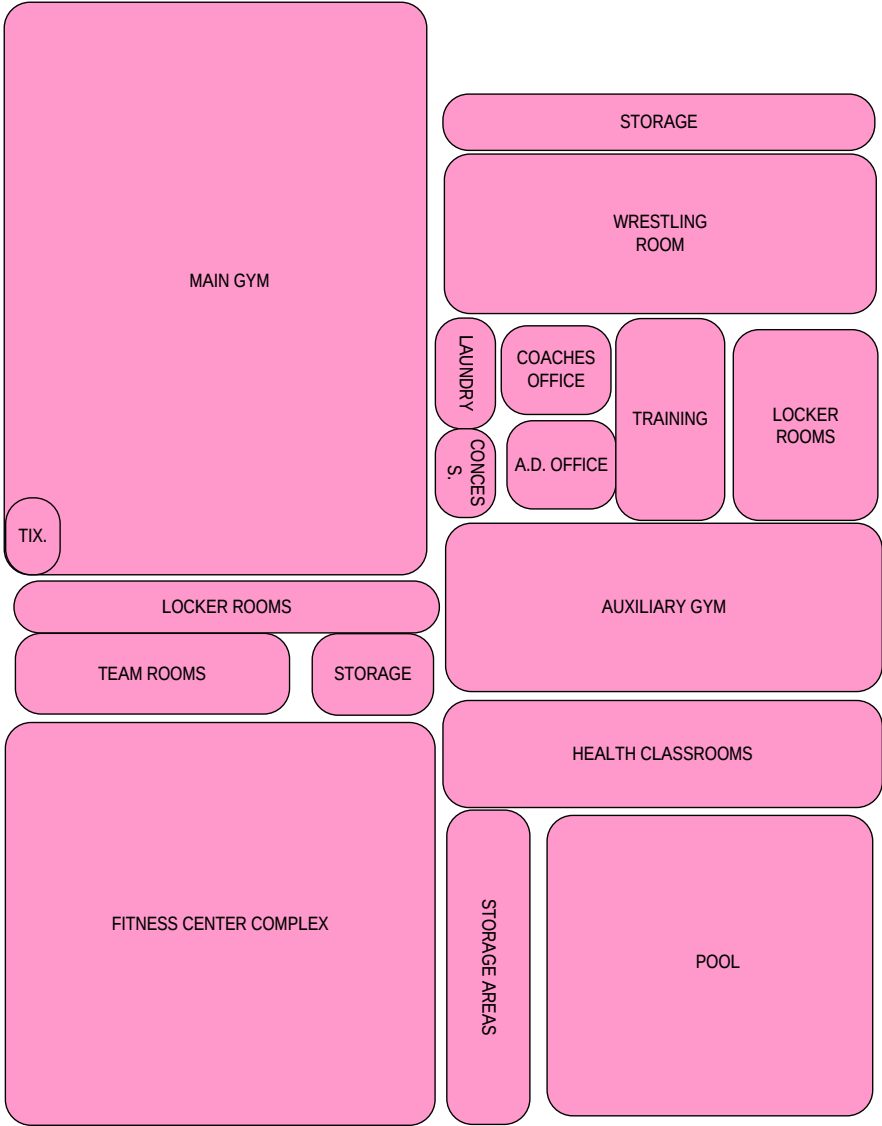
Gym / Physical Education Spatial Relationships

Physical education spaces will be shared by each learning community. Members of the community will also use some of the physical education spaces before, after, and possibly during school hours. For this reason, there should be access to the outside, a separate secured entry, and a location near the Welcome Center. The pages that follow describe in more detail each program area space listed in the space requirements table.

Physical education spaces should be centrally located within the facility and in close proximity to the administration area, outdoor areas and spectator parking. In addition, the physical education spaces should be accessible by the community.



Gym / Physical Education Illustration



GYMNASIUM	
ACTIVITIES	PERSONS
Physical education	Students
Sports – Basketball, Volleyball,	Faculty
Fitness/Health presentations,	Staff
Large group activities	After-school community use
Ticket sales	

GYMNASIUM		QTY
MECHANICAL	Quiet mechanicals or on outside of building	Yes
	Air conditioning	
	Additional ventilation	Yes
PLUMBING	Recessed drinking fountains located in corridor directly outside the gym	Yes
	Outside hose bib	Yes
ELECTRICAL / LIGHTING	Floor outlets and data access - enough for cardio equipment	Yes
	Wiring for power scoreboards, bleachers, sound system, lighting, curtains, and outlets on perimeter walls	Yes
	Drop down mat lamp for center stage type activities / shows	Yes
	Lighting which does not add heat to gym	Yes
	Cage over lights to avoid breakage	Yes
TECHNOLOGY	All technology should be protected: wireless or recessed into wall	Yes
	Telephone/intercom/voicemail port	Yes
	Overhead projector	
	Video and data ports for announcements in cage	Yes
	Quad outlet adjacent to each data port	Yes
	Wireless	Yes
	Audio enhancement system	Yes
	Sound system	Yes

GYMNASIUM (continued)		QTY
FURNITURE / EQUIPMENT	Adjustable baskets from ceiling	Yes
	Whiteboards	Yes
	Scoreboards	Yes
	Clock	
	Two portable magnetic marker boards	Yes
	Safety wall mats behind baskets if close to wall	Yes
	Climbing wall	Yes
	Wrestling mat hoist	Yes
	Display cases in hallway	Yes
	Bulletin boards	Yes
	Batting Nets	Yes
	Pole Vault pit	Yes
	Volleyball standards	Yes
	Badminton standards	Yes
	Tennis standards	Yes
	Floor mats	Yes
DOORS & WINDOWS	Door: large double doors to outside for equipment	Yes
	Garage door	Yes
	Door: double door to storage area for moving equipment	Yes
	Unbreakable, translucent glass in windows	Yes
	Curtains	Yes
	Natural light	
	Windows: cages to avoid breakage	Yes
SPECIAL CONSIDERATIONS	Must be able to isolate gym from the rest of the school for activities after hours	Yes
	Acoustics for activities other than basketball for community use, guest speaker, district in-service	Yes
	Retractable bleachers	Yes
	Glass basketball backboards	Yes
	Hardwood flooring	Yes

STORAGE	
ACTIVITIES	PERSONS
Storing equipment used in the physical education/athletic areas	Staff

STORAGE		QTY
MECHANICAL	Heating	
PLUMBING	Floor drain	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	
TECHNOLOGY	No special requirements	Yes
FURNITURE / EQUIPMENT	Mat storage	Yes
	Equipment storage	Yes
	Bulletin Boards	Yes
	Display/Trophy cases	Yes
	Heavy duty adjustable shelving	Yes
	Layout to maximize storage of Physical Education equipment	Yes
	Lockable storage area for athletic teams' equipment and uniforms	Yes
DOORS & WINDOWS	Doors: oversized that opens into gym	Yes
	Windows: none	Yes
SPECIAL CONSIDERATIONS	Secure/lockable	Yes

AUXILIARY GYMNASIUM	
ACTIVITIES	PERSONS
Physical education	Students
Sports – Gymnastics, Volleyball, Baseball	Faculty
Fitness/Health presentations, workouts	Staff
Large group activities	After-school community use

AUXILIARY GYMNASIUM		QTY
MECHANICAL	Quiet mechanicals or on outside of building	Yes
	Air conditioning	
	Additional ventilation	Yes
PLUMBING	Recessed drinking fountains located in corridor directly outside the gym	Yes
	Outside hose bib	Yes
ELECTRICAL / LIGHTING	Floor outlets and data access	Yes
	Wiring for power scoreboards, bleachers, sound system, lighting, curtains, and outlets on perimeter walls	Yes
	Lighting which does not add heat to gym	Yes
	Cage over lights to avoid breakage: translucent, unbreakable glass	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports - for announcements	Yes
	Mounted projector	Yes
	Quad outlet adjacent to each data port	Yes
	Audio enhancement system	Yes
	Sound system	Yes

AUXILIARY GYMNASIUM (continued)		QTY
FURNITURE / EQUIPMENT	Adjustable baskets from ceiling	Yes
	Tack boards	Yes
	Bulletin boards	Yes
	Scoreboards	Yes
	Two portable magnetic marker boards	Yes
	Safety wall mats	Yes
	Floor mats	Yes
	Bleachers	Yes
DOORS & WINDOWS	Door: large double doors to outside for equipment or garage door	Yes
	Removable center posts	Yes
	Door: double door to storage area for moving equipment	Yes
	Windows: cages to avoid breakage	Yes
SPECIAL CONSIDERATIONS	Must be able to isolate gym from the rest of the school for activities after hours	Yes
	Acoustics for activities other than basketball for community use, guest speaker, district in-service	Yes
	Gym key control	Yes
	Adventure equipment (ceiling)	
	Glass basketball backboards	Yes
	Hardwood flooring	Yes

SHOWER / LOCKER ROOM	
ACTIVITIES	PERSONS
Storage of personal items while using gym or fitness area	Physical Education students
Personal hygiene	Sports teams
	Students [after-hours]

SHOWER / LOCKER ROOM		QTY
MECHANICAL	Additional ventilation	Yes
PLUMBING	Drinking fountains	Yes
	Sinks	Yes
	Showers	Yes
	Restrooms	Yes
ELECTRICAL / LIGHTING	Overhead lighting	Yes
	Duplex outlets	Yes
TECHNOLOGY	PA system for announcements	Yes
FURNITURE / EQUIPMENT	Benches	Yes
	Small lockers [based on school enrollment divided by two for each locker room]	Yes
	Large lockers [based on number of students]	Yes
DOORS & WINDOWS	Door: solid door with no window	Yes
	Windows: No windows	Yes
SPECIAL CONSIDERATIONS	Handicap accessible	Yes
	Non-slip flooring	Yes
	Privacy and security	Yes
	Layout to optimize locker arrangements	Yes
	Dividable into smaller areas	
	Layout should avoid congestion	Yes

WRESTLING

ACTIVITIES	PERSONS
Dance Class	Instructor
Fitness Program	Students
Fitness Training	Community
Wrestling	
Aerobics Classes	

WRESTLING		QTY
MECHANICAL	Air Conditioning	Yes
	Additional ventilation	Yes
	Separate climate controls for room	Yes
PLUMBING	Recessed drinking fountains	Yes
ELECTRICAL / LIGHTING	Lighting which does not add heat	Yes
	Uniform lighting	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video port and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Audio enhancement system	Yes
	Sound system	Yes
FURNITURE / EQUIPMENT	Sound system	Yes
	Mats to fit size of room	Yes
DOORS & WINDOWS	Large doors for moving mats with view panel	Yes
	No windows	Yes
SPECIAL CONSIDERATIONS	Low ceiling with storage room above	Yes
	Padded walls	Yes
	Rubberized flooring	Yes

POOL	
ACTIVITIES	PERSONS
Instruction	Students
	Faculty
	Staff
	After school community use

POOL		QTY
MECHANICAL	Air Conditioning	Yes
	Additional ventilation to meet standards	Yes
PLUMBING	Recessed drinking fountains	Yes
ELECTRICAL / LIGHTING	Lighting which does not add heat	Yes
	Uniform lighting	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Video port and monitor	Yes
	Data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Audio enhancement system	Yes
	Sound system	Yes
FURNITURE / EQUIPMENT	Tack boards / strips	Yes
	Portable magnetic marker boards	Yes
	Bleachers	Yes
	Storage Room	Yes
DOORS & WINDOWS	Large door with windows to corridor	Yes
SPECIAL CONSIDERATIONS	Must be able to isolate from the rest of the school for activities after hours	Yes
	High ceilings	Yes
	Resilient rubber flooring	Yes
	Acoustical sound treatment	Yes

TEAM SHOWER / LOCKER ROOM

ACTIVITIES	PERSONS
Storage of personal items while using gym or fitness area	Students
Personal hygiene	Sports teams
	After-school community use

TEAM SHOWER / LOCKER ROOM		QTY
MECHANICAL	Additional ventilation	Yes
PLUMBING	Drinking fountains	Yes
	Sinks	Yes
	Showers	Yes
	Restrooms	Yes
ELECTRICAL / LIGHTING	Overhead lighting	Yes
	Duplex outlets	Yes
TECHNOLOGY	No special requirements	Yes
FURNITURE / EQUIPMENT	Benches	Yes
	Lockers	Yes
	Informational boards	Yes
	Storage cabinets	Yes
DOORS & WINDOWS	Door: solid door with no window	Yes
	Windows: No windows	Yes
SPECIAL CONSIDERATIONS	Handicap accessible	Yes
	Porcelain or ceramic tile flooring	Yes
	Drying room for individual equipment	Yes
	Hair dryers	Yes
	Vending machines	Yes

TRAINING / REHAB / CARDIO LAB

ACTIVITIES	PERSONS
Injury rehabilitation	Athletic Trainer
Injury prevention	Physical Education Teachers
Injury management	Students
Treatments such as hydrotherapy, stretching, and taping	Coaches

TRAINING / REHAB / CARDIO LAB		QTY
MECHANICAL	No special requirements	Yes
PLUMBING	Sink	Yes
	Floor drain	Yes
	Ice machine	
ELECTRICAL / LIGHTING	Outlets for Stimulation Treatments	Yes
TECHNOLOGY	Voice, video, and data ports	Yes
	Intercom	Yes
FURNITURE / EQUIPMENT	Trainer workstation	Yes
	Trainer tables	Yes
	Lockable medicine cabinets	Yes
	Portable modesty screens/ceiling divider curtains	Yes
	Storage	Yes
	Trainer's workstation to store confidential info	Yes
	Portable chairs	Yes
DOORS & WINDOWS	View panel	Yes
SPECIAL CONSIDERATIONS	Ceramic, non-slip tile flooring	Yes

COACHES OFFICES	
ACTIVITIES	PERSONS
Central place for coach and teacher administrative duties	Coaches
Storage of PE student portfolios	Athletic Trainer
Secure storage for:	Physical Education Teacher
video cameras	Students
heart rate monitors	
DVDs	
music	
other equipment	

COACHES OFFICES		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex outlets at each station	Yes
TECHNOLOGY	Intercom	Yes
	Voice and data ports	Yes
	Outlets for charging batteries of portable sound system and for ball pumps	Yes
FURNITURE / EQUIPMENT	Moveable furniture [desk, chair, filing cabinet]	Yes
	Conference Table	Yes
	Dry board/ tack board	Yes
DOORS & WINDOWS	Door: no special requirements	Yes
	Window: ½ windows to adjacent corridors or gymnasium	Yes
SPECIAL CONSIDERATIONS	No special requirements	

COACHES TOILETS / SHOWERS

ACTIVITIES	PERSONS
Changing clothes, showering, and personal hygiene	Coaches
	Athletic Trainer
	Physical Education teacher
	Game officials

COACHES TOILETS / SHOWERS

		QTY
MECHANICAL	No special requirements	
PLUMBING	Hot and cold water for sink & shower	Yes
ELECTRICAL / LIGHTING	No special requirements	
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Shower with adjacent private changing wall	Yes
	Floor drain	Yes
	Lockers	Yes
	Mirror above counter	Yes
	Paper towel holder	Yes
	Soap dispenser	Yes
	Hand dryer	Yes
DOORS & WINDOWS	Door to Coach's Office	Yes
SPECIAL CONSIDERATIONS	Adjacent to team locker rooms	Yes
	Adjacent to gymnasium	Yes
	Connected to coach's office	Yes

LAUNDRY	
ACTIVITIES	PERSONS
Wash uniforms and student clothing	Teachers
	Aides
	Staff

LAUNDRY		QTY
MECHANICAL	No special requirements	
PLUMBING	Hot and cold water for washer and sink	Yes
	Drain for washer	Yes
	Floor drain	Yes
ELECTRICAL / LIGHTING	Appropriate power for washer and dryer	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Commercial grade washer and dryer	Yes
	Base cabinets	Yes
	Wall cabinets	Yes
	Tables [folding]	Yes
DOORS & WINDOWS	No special requirements	
SPECIAL CONSIDERATIONS	No special requirements	

HEALTH CLASSROOM [W / DIVIDER WALL]	
ACTIVITIES	PERSONS
Individual, small, and large group activities	Physical Education/ Health teacher
Storage of materials	Students
Project-based learning	
Demonstrations	
Computer-based instruction	

HEALTH CLASSROOM [W / DIVIDER WALL]		QTY
MECHANICAL	Quiet air conditioning	Yes
PLUMBING	Sink with hot and cold water	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Overhead lighting	Yes
	Mounted projector	Yes
	Room darkening capability	Yes
	Abundant day lighting	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets	Yes
	Teacher data port separate from student data ports	Yes
	Interactive whiteboard with integral computer projector	Yes
FURNITURE / EQUIPMENT	Student work tables, 2 students each	18
	Comfortable ergonomic student chairs that allow movement	36
	Countertop over base cabinets	4 LF
	Overhead cabinets	4 LF
	Magnetic marker board	16 LF
	Bulletin board	24 LF
	Shelving	24 LF
	Locking storage cabinet	6 LF
	All in One Computer Device	1
	Mobile bookcases, 3' long	2
	Retractable projection screen	1
	Flexible or multiple display surfaces	Yes
	Adjustable, lockable, and mobile storage cabinets and shelving	Yes
	Interactive whiteboard	Yes
	White boards	Yes
	Flexible furniture: can be used as individual desks or fit together to make tables	Yes
	Tack boards and tack walls	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Windows: with blinds	Yes
SPECIAL CONSIDERATIONS	No special requirements	

CONCESSIONS	
ACTIVITIES	PERSONS
Sales	Volunteers
	Students
	Parents

CONCESSIONS		QTY
MECHANICAL	Ventilation	Yes
	Heating and Cooling	Yes
PLUMBING	Sinks	Yes
ELECTRICAL / LIGHTING	Outlets for refrigerator, grill, crock pots	Yes
	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	PA system from gymnasium	Yes
FURNITURE / EQUIPMENT	Shelving	Yes
	Ice Machine	Yes
	Locked storage areas	Yes
	Cashier areas	Yes
DOORS & WINDOWS	Door	Yes
	Roll-up ½ door for serving area	Yes
	Concession window	Yes
SPECIAL CONSIDERATIONS	Good proximity to gymnasium and athletic events	Yes
	Storage	Yes
	Sufficient corridor area for groups of people to stand in line and mingle	Yes

ATHLETIC DIRECTOR'S OFFICE	
ACTIVITIES	PERSONS
Administration of Athletics	Athletic Director
	Athletic Trainer
	Physical Education/ Health teacher
	Coaches
	Students

ATHLETIC DIRECTOR'S OFFICE		QTY
MECHANICAL	Air Conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	TV outlet	Yes
	Overhead lighting	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets	Yes
FURNITURE / EQUIPMENT	Desk	Yes
	Clock	Yes
	File cabinet	Yes
	Mailboxes	25
	Workstations	4
	Desk chair	Yes
DOORS & WINDOWS	Doors with windows	Yes
SPECIAL CONSIDERATIONS	No special requirements	

FITNESS CENTER COMPLEX	
ACTIVITIES	PERSONS
Weight training	Students
Cardiovascular training	Faculty
Physical education	Staff
Team training	After school community use
Rehabilitation	

FITNESS CENTER COMPLEX		QTY
MECHANICAL	Air Conditioning	Yes
	Additional Ventilation	Yes
	Ceiling Fans	Yes
PLUMBING	Recessed drinking fountains	Yes
ELECTRICAL / LIGHTING	Lighting which does not add heat	Yes
	Uniform lighting	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Video port and monitor	Yes
	Data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Audio enhancement system	Yes
	Sound system	Yes
FURNITURE / EQUIPMENT	Tack boards / strips	Yes
	Portable magnetic marker boards	Yes
	Shelves	Yes
	Desk	Yes
	Weights and stationary equipment	Yes
DOORS & WINDOWS	Large door with windows to corridor	Yes
SPECIAL CONSIDERATIONS	Must be able to isolate from the rest of the school for activities after hours	Yes
	High ceilings	Yes
	Resilient rubber flooring	Yes
	Adjacent to fitness room	Yes
	Acoustical sound treatment	Yes

TEACHER COORDINATOR OFFICE PREP AREA

ACTIVITIES	PERSONS
Staff and activity scheduling and coordination	Teachers
	Students

TEACHER COORDINATOR OFFICE PREP AREA **QTY**

MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex outlets at each station	Yes
TECHNOLOGY	Intercom	Yes
	Voice and data ports	Yes
FURNITURE / EQUIPMENT	Moveable furniture [desk, chair, filing cabinet]	Yes
	Conference Table	Yes
	Dry board/ tack board	Yes
DOORS & WINDOWS	Door: no special requirements	Yes
	Window: ½ windows to adjacent corridors or gymnasium	Yes
SPECIAL CONSIDERATIONS	No special requirements	

BAG ROOM

ACTIVITIES	PERSONS
Storage of student athletic equipment and clothing for before and afterschool activities	Staff
	Students

BAG ROOM

QTY

MECHANICAL	Heating	
PLUMBING	Floor drain	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	
TECHNOLOGY	No special requirements	Yes
FURNITURE / EQUIPMENT	Heavy duty adjustable shelving	Yes
	Layout to maximize storage	Yes
	Lockable	Yes
DOORS & WINDOWS	Doors: No window	Yes
	Windows: none	Yes
SPECIAL CONSIDERATIONS	Secure/lockable	Yes



Career / Family Consumer Sciences / Technology Education

Vitally important to student development are the areas of the work of life and the life of work. These relevant dynamic course areas prepare students for the roles and functions in the public and private sectors of the economy.

Workers of the 21st Century may change careers five to seven times in their lifetimes. In order to better prepare students to make reasoned decisions, the courses within the program areas provide for career exploration, pursuit of career interests, preparation for the changing demands of family and life roles, study of principles and practical experiences of technology and science, and application of academic learning.

The Career/Family Consumer Sciences/Technology Education courses will empower students to make better informed choices about post-secondary opportunities, employment, and family life.

Program Focus Areas:

Family and Consumer Sciences:

- Food and Nutrition
- Fashion Technology
- Child Development
- Interior Design
- Consumer Economics
- Relationships and Communications

Technical Education:

- Wood Technology
- Graphics
- CAD
- Video

Approved Career and Technical Programs of Study:

- Accounting and Finance
- Agriculture
- Auto Technology
- Building Construction
- Computer Networking
- Culinary Arts
- Diversified Occupations
- Drafting and Design
- Early Childhood Education
- Engineering Technology

- Health Professions
- Marketing
- Public Safety

The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas, and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.

Career / Family Consumer Sciences / Technology Education Space Requirements

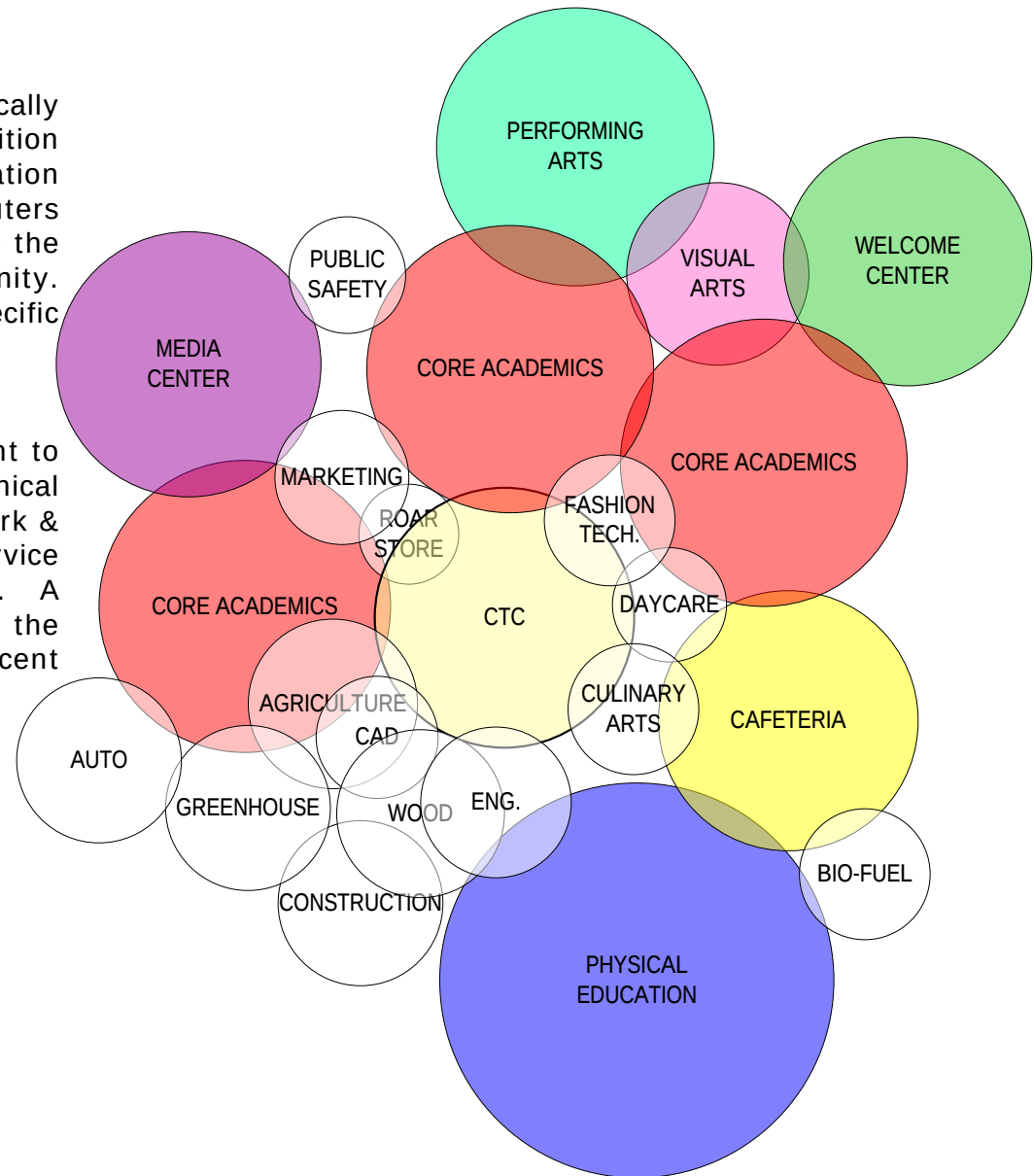
Career / Family Consumer Sciences / Technology Education	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Family & Consumer Sciences																
Food and Nutrition	1	1	1,300	1,300	1	1	1,300	1,300					2	2	2,600	2,600
Fashion Technology					1	1	1,200	1,200					1	1	1,200	1,200
Child Development									1	1	900	900	1	1	900	900
Interior Design	Shared with Fashion Tech.				Shared with Fashion Tech.								Shared with Fashion Tech.			
Consumer Economics									Shared with Consumer & Child Dev't				Shared with Consumer & Child Dev't			
Relationships and Communications									Shared with Consumer & Child Dev't				Shared with Consumer & Child Dev't			
Office										1	250	250	0	1	250	250
Storage										1	250	250	0	1	250	250
Technical Education													0	0	0	0
Wood Technology (locate adjacent to Scene Shop)									1	1	3,000	3,000	1	1	3,000	3,000
Graphics									1	1	1,800	1,800	1	1	1,800	1,800
CAD									Shared with Drafting and Design				Shared with Drafting and Design			
Video									Shared with Graphics				Shared with Graphics			
Approved Career and Technical Programs of Study																
Accounting/Finances	1	1	900	900	1	1	900	900					2	2	1,800	1,800
Agriculture (Lab, Storage, Greenhouse)									1	1	4,000	4,000	1	1	4,000	4,000
Auto Technology (Lab Storage)									1	1	4,500	4,500	1	1	4,500	4,500
Building Construction									1	1	4,000	4,000	1	1	4,000	4,000
Computer Networking									1	1	1,800	1,800	1	1	1,800	1,800
Culinary Arts (Lab & Restaurant)									1	1	2,700	2,700	1	1	2,700	2,700
Diversified Occupations (Classroom, Office)									1	1	1,200	1,200	1	1	1,200	1,200
Drafting and Design									1	1	2,000	2,000	1	1	2,000	2,000
Early Childhood Education									1	1	2,000	2,000	1	1	2,000	2,000
Engineering Technology									1	1	2,500	2,500	1	1	2,500	2,500
Health Professions									1	1	2,000	2,000	1	1	2,000	2,000
Marketing (2 classrooms)																
See Food Service for Store	1	1	1,200	1,200	1	1	1,200	1,200					2	2	2,400	2,400
Public Safety									1	1	2,000	2,000	1	1	2,000	2,000
Tech Ed Sub-Total	3			3,400	4			4,600	14			34,900	21	0	0	42,900

Technical / Career Education Space Requirements

The table below lists the square footage allocated specifically for the Technical and Career Education classes. In addition to these spaces, some technical and career education courses such as Business & Marketing classes and Computers could be taught in the Large Classrooms contained within the Core Academics Area within each Learning Community. Finalization of space use will be determined on a site specific basis

Technical / Career Education Spatial Relationships

Technical and career education spaces should be adjacent to the core academic learning communities. Technical education classes should have access to the outside. Work & Family Studies classes should be adjacent to the food service area and be accessible for deliveries from the outside. A Business & Marketing Classroom should be adjacent to the school store. The photography classroom should be adjacent to the Visual Arts.



Community Model / Integrated CTC Model

- *Integrating academic and technical curriculums through design*
- *Provide authentic learning experiences for students*
- *Utilizing community partnerships and resources*
- *Easy access for evening and adult instruction*

Culinary Arts / Student Restaurant

Culinary Arts/student restaurant should be located near the auditorium/gymnasium to afford guests the opportunity to dine at our student restaurant prior to events (musicals, theater, and athletics). The restaurant should be easily accessible to guests for potential public dining. Possible connection to our student store/Roar Store/Marketing program to display baked goods/desserts/coffee.

Marketing / Roar Store

Marketing/Roar Store should be near the main entrance and gymnasium/auditorium. In the 9/10 and 11/12 school building, the classrooms are separate. Marketing classrooms need to be connected to the Roar Store. Guests will be able to purchase items during events. Design should be similar to the mall effect.

Financial Services Center (Accounting & Finance)

Currently, we have 1 classroom assigned to the 9-10 building and one classroom assigned to 11-12 building. We would like the classrooms to be next to each other. Our goal is to have a financial services center which would include a simulated stock trading room and fully operational bank which needs high accessibility.

Early Childhood Education

Early Childhood Education near main entrance/auditorium/gymnasium (provide child care for performances, parent conferences, athletic events, etc.). Access to an outside play area is requested. Alignment with a community child care provider is urged to offset facility costs.

Health Professions

Health Professions should be located near the science/biology area. Since Anatomy & Physiology will be a shared course between science and Health Professions, Health Professions classroom should be connected to the A & P lab area. Also, partnering with a medical organization to offer a "Clinic" to provide medical services to our community is an attractive option. Thus, proximity to the entrance to the building or an outside entrance is necessary.

Engineering Technology Program and Drafting Design Program

Each of these programs should be located near the physics classrooms because of the common curricular areas. A divided classroom/lab is also requested. The divided classroom could double as chemistry/physics lecture area. Several engineering content areas (robotics, electronics, CNC Machining) could be offered during after school hours so easy outside accessibility should be considered.

Public Safety (Fire, EMS, and Police)

Public Safety should be located near the Physical Education/Athletic complex. EMT, Intro to Sports Medicine

and CPR/First Aid are taught within the Public Safety program and should be located near the “athletic training rooms.” A School District/Community Emergency Management Center is envisioned by utilizing the community support from EMS, fire companies, and local police services.

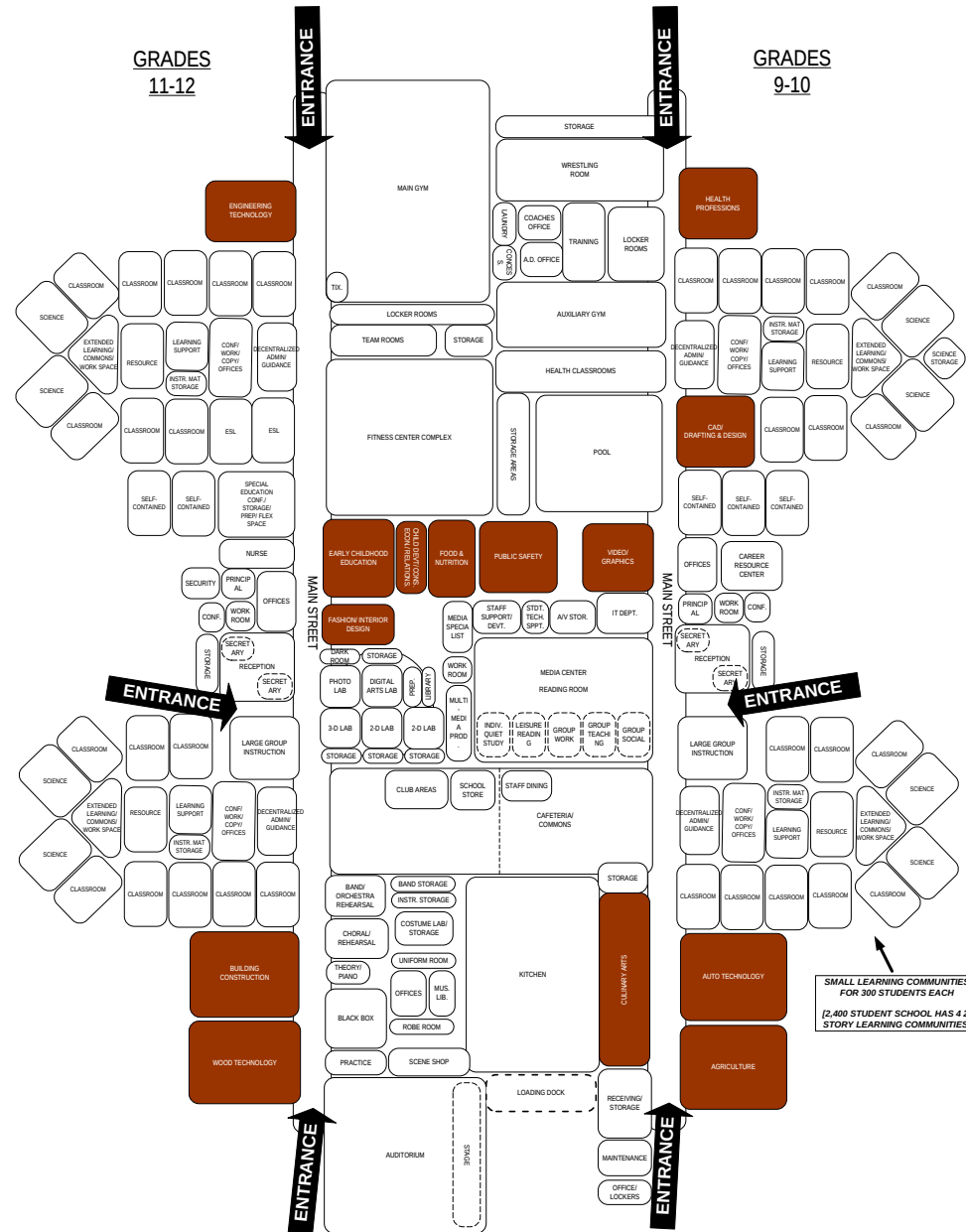
Building Construction

Building Construction should be located adjacent to the woodworking (Tech Ed) and close to the auditorium to offer scene construction. Facility needs to be large enough to perform modular housing in a “construction arena” setting.

Cisco Computer Networking

Connect to IT department/media center. Curriculum connections can be made with AP Computer Science, C++, and Visual Basic Programming. Oracle Internet Academy would be a parallel program.

Technical / Career Education Illustration



FOOD AND NUTRITION	
ACTIVITIES	PERSONS
Small group instruction	Students
Food and nutrition labs	Teacher
	Aides
	Parents

FOOD AND NUTRITION		QTY
MECHANICAL	Adequate ventilation for ranges	Yes
PLUMBING	3 compartment sink	Yes
	Commercial washer & dryer	1
	Hand washing sinks	3
	Sink / cleaning facilities	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Front row of light, dimmable	Yes
	Quad outlet @ each data port	Yes
	Flexible electrical access	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Computer access for each student	Yes
	Quad outlet adjacent to each data port	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Wireless laptops with carts for battery recharging	Yes
	Data ports	Yes

FOOD AND NUTRITION (continued)		QTY
FURNITURE / EQUIPMENT	Walk in refrigerator & freezer	Yes
	Food work stations + demo area	4
	Large table / workspace	Yes
	Tables for use as desks as well as serving meals	Yes
	Computer tables and chairs	Yes
	Printers and printer tables	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Double doors with large view panel	Yes
	Windows: to outside, operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Non porous floor covering	Yes
	Access to exterior for deliveries	Yes
	Soundproofing	Yes

FASHION TECHNOLOGY / INTERIOR DESIGN	
ACTIVITIES	PERSONS
Group Instruction	Students
Presentations	Teacher
Design	Aides
Sewing	Parents
	Community Members

FASHION TECHNOLOGY / INTERIOR DESIGN		QTY
MECHANICAL	No Special Requirements	
PLUMBING	Sink with hot/cold water	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Fabric storage	Yes
	Washer and dryer	Yes
	Headphones and microphones	Yes

FASHION TECHNOLOGY / INTERIOR DESIGN (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Storage cabinets	Yes
	Sewing machines	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes

CHILD DEVELOPMENT / CONSUMER ECONOMICS / RELATIONSHIPS AND COMMUNICATIONS	
ACTIVITIES	PERSONS
Large group instruction	Students
Small group instruction	Teacher
Interactive activities	Aides
Presentations	Resource Professionals
Observation	

CHILD DEVELOPMENT / CONSUMER ECONOMICS / RELATIONSHIPS AND COMMUNICATIONS		QTY
MECHANICAL	No Special Requirements	
PLUMBING	Sink with hot/cold water	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Wireless laptops with carts for battery recharging	Yes
	Headphones and microphones	Yes

CHILD DEVELOPMENT / CONSUMER ECONOMICS / RELATIONSHIPS AND COMMUNICATIONS (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes

OFFICE	
ACTIVITIES	PERSONS
Office duties	School staff

OFFICE		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Lockable storage cabinets	Yes
	Flexible surfaces	Yes
	Legal size file lateral drawer	Yes
	Desk with return	1
	Desk chair	1
	Guest chairs	2
	Lamps	Yes
	Bookshelves	18LF
	Marker board	4LF
	Printer	1
	Locking file cabinet, 4 drawer	1 to 2
	Bulletin board	4LF
	Clock	1
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special considerations	
SPECIAL CONSIDERATIONS	Bright, soft lighting	Yes
	Carpeted flooring	Yes

STORAGE	
ACTIVITIES	PERSONS
Storage of instructional materials	Teachers
	Staff

STORAGE		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL & LIGHTING	Duplex outlets on each wall	Yes
	Overhead lighting	Yes
TECHNOLOGY	No Special Requirements	
FURNITURE / EQUIPMENT	Casework to include:	
	Countertop with base and wall cabinets	Yes
	Lockable storage cabinets	Yes
	Abundant wall shelving	Yes
DOORS & WINDOWS	Solid door	Yes
	Keypad access	Yes
SPECIAL CONSIDERATIONS	Vinyl tile	Yes

WOOD TECHNOLOGY

ACTIVITIES	PERSONS
Small group instruction	Students
Project work	Teacher
	Aides

WOOD TECHNOLOGY

WOOD TECHNOLOGY		QTY
MECHANICAL	Dust collector	Yes
PLUMBING	Sinks with hot/cold water	Yes
	Sink/cleaning facilities	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Front row of light, dimmable	Yes
	Flexible electrical access	Yes
	Emergency power shutoff	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Quad outlet adjacent to each data port	Yes
	Data drops with double, triple, or quad Communications Network Outlets	Yes
	Data ports	Yes

WOOD TECHNOLOGY (continued)		QTY
FURNITURE / EQUIPMENT	Demonstration area	Yes
	Large table / workspace	Yes
	Computer tables and chairs	Yes
	Printers and printer tables	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Work benches	Yes
	Power tools and equipment	Yes
	Staging area	Yes
	Pegboards for small tools	Yes
	Tool cabinets	Yes
	Lockers	Yes
DOORS & WINDOWS	Double doors with large view panel	Yes
	Lift up door	Yes
	Windows: to outside, operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Non porous floor covering	Yes
	Access to exterior for deliveries	Yes
	Soundproofing	Yes
	Adjacent to scene shop	Yes

GRAPHICS/VIDEO	
ACTIVITIES	PERSONS
Small group instruction	Students
Individualized instruction	Teacher
Project work	Aides
Graphic design and layout	Parents
Video production	Community Members

GRAPHICS/VIDEO		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Wireless laptops with carts for battery recharging	Yes
	Headphones and microphones	Yes

GRAPHICS/VIDEO (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Graphic projects storage cabinet	Yes
	Video production equipment	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Accessible computer equipment for special needs	Yes

ACCOUNTING / FINANCE	
ACTIVITIES	PERSONS
Large group instruction	Students
Small group instruction	Teacher
Project work	Aides
Computer learning	Parents

ACCOUNTING / FINANCE		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Wireless laptops with carts for battery recharging	Yes
	Headphones and microphones	Yes

ACCOUNTING / FINANCE (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Accessible computer equipment for special needs	Yes

AGRICULTURE	
ACTIVITIES	PERSONS
Large group instruction	Students
Small group instruction	Teacher
Project work	Aides
	Parents

AGRICULTURE		QTY
MECHANICAL	No Special Requirements	
PLUMBING	Hand washing sinks	3
	Sink / cleaning facilities	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Front row of light, dimmable	Yes
	Flexible electrical access	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Computer access for each student	Yes
	Quad outlet adjacent to each data port	Yes
	6 data drops with double, triple, or quad Communications Network	
	Outlets	Yes
	Data ports	Yes

AGRICULTURE (continued)		QTY
FURNITURE / EQUIPMENT	Demonstration area	Yes
	Large table / workspace	Yes
	Computer tables and chairs	Yes
	Printers and printer tables	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Agriculture equipment	Yes
	Agricultural supplies	Yes
DOORS & WINDOWS	Double doors with large view panel	Yes
	Lift door to outside	Yes
	Windows: to outside, operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Non porous floor covering	Yes
	Access to exterior for deliveries	Yes
	Soundproofing	Yes
	Proximity to Storage and Greenhouse	Yes

AUTO TECHNOLOGY	
ACTIVITIES	PERSONS
Small group instruction	Students
Interactive activities	Teacher
Technology activities	Aides

AUTO TECHNOLOGY		QTY
MECHANICAL	No Special Requirements	
PLUMBING	Hand washing sinks	3
	Sink / cleaning facilities	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Front row of light, dimmable	Yes
	Flexible electrical access	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Quad outlet adjacent to each data port	Yes
	Data ports	Yes

AUTO TECHNOLOGY (continued)		QTY
FURNITURE / EQUIPMENT	Demonstration area	Yes
	Large table / workspace	Yes
	Computer tables and chairs	Yes
	Printers and printer tables	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Lifts	Yes
	Lift door	Yes
	Work benches	Yes
	Engine stands	Yes
	Metal shelves in tool room	Yes
	Welding equipment	Yes
	Tire repair equipment	Yes
	Compressed air	Yes
DOORS & WINDOWS	Double doors with large view panel	Yes
	Lift doors to outside	Yes
	Exterior exit door	Yes
	Windows: to outside, operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Concrete floor	Yes
	Access to exterior for deliveries	Yes
	Soundproofing	Yes

BUILDING CONSTRUCTION

ACTIVITIES	PERSONS
Small group instruction	Students
Project work	Teacher
	Aides

BUILDING CONSTRUCTION

		QTY
MECHANICAL	Dust collector	Yes
PLUMBING	Sinks with hot/cold water	Yes
	Sink/cleaning facilities	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Front row of light, dimmable	Yes
	Flexible electrical access	Yes
	Emergency power shutoff	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Quad outlet adjacent to each data port	Yes
	Data drops with double, triple, or quad Communications Network Outlets	Yes
	Data ports	Yes

BUILDING CONSTRUCTION (continued)		QTY
FURNITURE / EQUIPMENT	Demonstration area	Yes
	Large table / workspace	Yes
	Computer tables and chairs	Yes
	Printers and printer tables	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Work benches	Yes
	Power tools and equipment	Yes
	Staging area	Yes
	Pegboards for small tools	Yes
	Tool cabinets	Yes
	Lockers	Yes
DOORS & WINDOWS	Double doors with large view panel	Yes
	Lift up door	Yes
	Windows: to outside, operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Non porous floor covering	Yes
	Access to exterior for deliveries	Yes
	Soundproofing	Yes

COMPUTER NETWORKING

ACTIVITIES	PERSONS
Small group instruction	Students
Interactive activities	Teacher
Technology activities	Aides
	Parents

COMPUTER NETWORKING

QTY

MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Wireless laptops with carts for battery recharging	Yes
	Headphones and microphones	Yes

COMPUTER NETWORKING (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Accessible computer equipment for special needs	Yes

CULINARY ARTS	
ACTIVITIES	PERSONS
Small group instruction	Students
Food service	Teacher
Food preparation	Aides
Food storage	

CULINARY ARTS		QTY
MECHANICAL	Adequate ventilation for ranges	Yes
PLUMBING	3 compartment sink	Yes
	Commercial washer & dryer	1
	Hand washing sinks	3
	Sink / cleaning facilities	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Front row of light, dimmable	Yes
	Quad outlet @ each data port	Yes
	Flexible electrical access	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Quad outlet adjacent to each data port	Yes
	Data ports	Yes

CULINARY ARTS (continued)		QTY
FURNITURE / EQUIPMENT	Walk in refrigerator & freezer	Yes
	Food work stations + demo area	4
	Large table / workspace	Yes
	Tables for use as desks as well as serving meals	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Double doors with large view panel	Yes
	Windows: to outside, operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Auditory privacy	Yes
	Non porous floor covering	Yes
	Access to exterior for deliveries	Yes
	Soundproofing	Yes

DIVERSIFIED OCCUPATIONS	
ACTIVITIES	PERSONS
Large group instruction	Students
Small group instruction	Teacher
Project work	Aides
	Parents
	Community Members

DIVERSIFIED OCCUPATIONS		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Wireless laptops with carts for battery recharging	Yes
	Headphones and microphones	Yes

DIVERSIFIED OCCUPATIONS (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Accessible computer equipment for special needs	Yes

DRAFTING AND DESIGN / CAD	
ACTIVITIES	PERSONS
Small group instruction	Students
Interactive activities	Teacher
Drafting	Aides
Design	

DRAFTING AND DESIGN / CAD		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Wireless laptops with carts for battery recharging	Yes
	Headphones and microphones	Yes

DRAFTING AND DESIGN / CAD (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Accessible computer equipment for special needs	Yes

EARLY CHILDHOOD EDUCATION

ACTIVITIES	PERSONS
Large group instruction	Students
Small group instruction	Teacher
Interactive activities	Aides
Presentations	Resource Professionals
Observation	

EARLY CHILDHOOD EDUCATION

QTY

MECHANICAL	No Special Requirements	
PLUMBING	Sink with hot/cold water	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	6 data drops with double, triple, or quad Communications Network Outlets	Yes
	Wireless laptops with carts for battery recharging	Yes
	Headphones and microphones	Yes

EARLY CHILDHOOD EDUCATION (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes

ENGINEERING TECHNOLOGY	
ACTIVITIES	PERSONS
Small group instruction	Students
Interactive activities	Teacher
Technology activities	Aides

ENGINEERING TECHNOLOGY		QTY
MECHANICAL	No Special Requirements	
PLUMBING	Hand washing sinks	3
	Sink / cleaning facilities	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Front row of light, dimmable	Yes
	Flexible electrical access	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Quad outlet adjacent to each data port	Yes
	Data ports	Yes

ENGINEERING TECHNOLOGY (continued)		QTY
FURNITURE / EQUIPMENT	Demonstration area	Yes
	Large table / workspace	Yes
	Computer tables and chairs	Yes
	Printers and printer tables	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Lifts	Yes
	Lift door	Yes
	Work benches	Yes
	Engine stands	Yes
DOORS & WINDOWS	Double doors with large view panel	Yes
	Lift doors to outside	Yes
	Exterior exit door	Yes
	Windows: to outside, operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes
	Concrete floor	Yes
	Access to exterior for deliveries	Yes
	Soundproofing	Yes

HEALTH PROFESSIONS	
ACTIVITIES	PERSONS
Small group instruction	Students
Interactive activities	Teacher
	Aides

HEALTH PROFESSIONS		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	Headphones and microphones	Yes

HEALTH PROFESSIONS (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes

MARKETING

ACTIVITIES	PERSONS
Small group instruction	Students
Interactive activities	Teacher
Marketing activities	Aides

MARKETING QTY

MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	Headphones and microphones	Yes

MARKETING (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes

PUBLIC SAFETY	
ACTIVITIES	PERSONS
Small group instruction	Students
	Teacher
	Aides

PUBLIC SAFETY		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet @ each data port	Yes
	Ability to control specific lighting areas	Yes
	Room darkening capability	Yes
TECHNOLOGY	Telephone / intercom / voicemail port	Yes
	Multi media projection	Yes
	Projector from Ceiling	Yes
	Whiteboard / Projector Screen	Yes
	Front row of light, dimmable	Yes
	Data ports	Yes
	Headphones and microphones	Yes

PUBLIC SAFETY (continued)		QTY
FURNITURE / EQUIPMENT	Movable tables and chairs	Yes
	Printers and printer tables	Yes
	Networked computers with access to programs and card catalog	Yes
	LCD projector and mounted screen	Yes
	Tack board	Yes
	Magnetic marker board	Yes
	Anti-static carpets	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Natural light	Yes
	Auditory privacy	Yes
	Provide method to darken room for AV Presentations	Yes



Brooklyn Park MS (MD) Grimm and Parker Architects

The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.

Welcome Center / Administration

Administration will provide the organizational and instructional leadership needed to create an atmosphere that is conducive for teaching and learning. This area includes the centralized and decentralized administrative functions of the Learning Community and student support services (counselors, support staff, etc.).

Welcome Center / Administration Space Requirements

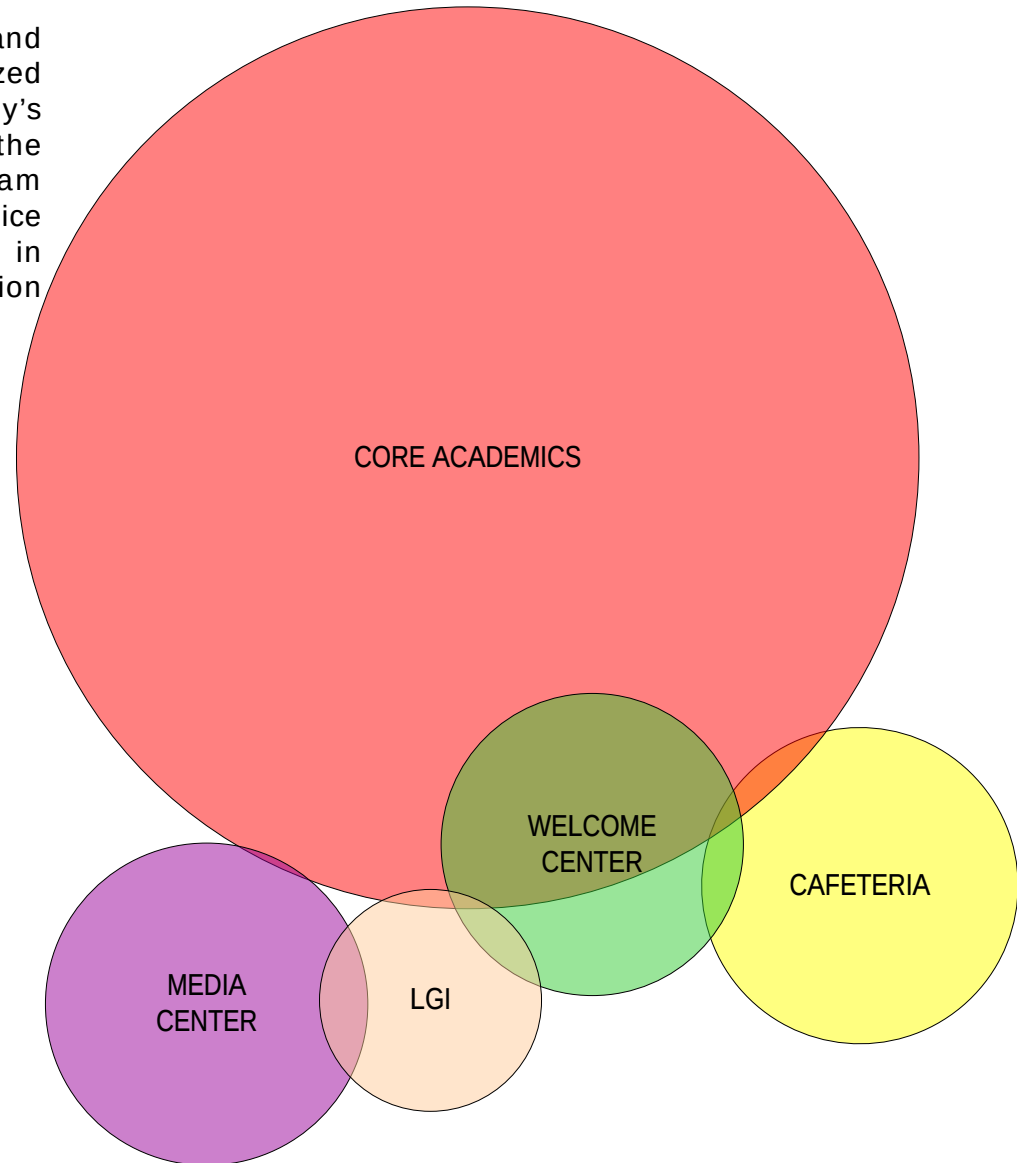
Welcome Center / Administration	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Reception Area		1	750	750		1	750	750						2	1,500	1,500
Secretarial Area*		2	80	160		2	80	160						4	160	320
Principal's Office/Conference		1	200	200		2	200	400						3	400	600
Principal's Conference		1	250	250		1	250	250						2	500	500
Conference Room		1	300	300		1	300	300						2	600	600
Mail/Work/Copy Room (Possibly Decentralized)		1	400	400		1	400	400						2	800	800
Administrative Storage		1	150	150		1	150	150						2	300	300
Restrooms		2	50	100		2	50	100						4	100	200
Security Office		2	150	300		2	150	300						4	300	600
Additional Offices		3	150	450		3	150	450						6	300	900
Health Clinic/Suite (including restrooms)		1	800	800		1	800	800						2	1,600	1,600
Guidance/Student Services																
Career Center						1	750	750						1	750	750
Reception/Secretarial Area		1	300	300		1	300	300						2	600	600
Additional Counseling Offices**		4	150	600		4	150	600						8	300	1,200
Conference Rooms		1	250	250		1	250	250						2	500	500
Administration Sub-Total	0			5,010	0			5,960	0			0	0	0	0	10,970
Decentralized Option																
	See Learning Communities				See Learning Communities				See Learning Communities				See Learning Communities			

* In 2,400 student school, 3 principals and 3 secretaries will be dispersed throughout the building

** Located by or with assistant principals

Welcome Center / Administration Spatial Relationships

The Welcome Center should be located near the front and center of the building. There should be some decentralized administration spaces near the Learning Community's entrance. Administration should be accessible to the community and adjacent to the Core Academic Program Area. The Welcome Center should contain the main office space off the front entrance. Guidance offices should be in the rear of the Welcome Center to maintain a connection with the Learning Communities.



The image displays three floor plan diagrams, labeled A, B, and C, for a school building. Each plan shows a different layout of rooms and common areas.

Plan A (Left): This plan features a central corridor. On the left side, there are several classrooms, science labs, and an extended learning/commons/work space. On the right side, there is a large group instruction room, a decentralized admin/guidance area, and a resource room. The entrance is located at the top left, leading into a security area and a reception area. Other rooms include a nurse's office, principal's office, work room, and storage.

Plan B (Middle): This plan includes a central corridor. On the left side, there are classrooms, science labs, and an extended learning/commons/work space. On the right side, there is a large group instruction room, a decentralized admin/guidance area, and a resource room. The entrance is located at the top left, leading into a security area and a reception area. Other rooms include a nurse's office, principal's office, work room, and storage.

Plan C (Right): This plan features a central corridor. On the left side, there are several classrooms, science labs, and an extended learning/commons/work space. On the right side, there is a large group instruction room, a decentralized admin/guidance area, and a resource room. The entrance is located at the top left, leading into a security area and a reception area. Other rooms include a nurse's office, principal's office, work room, and storage.

RECEPTION AREA		
ACTIVITIES	PERSONS	
Greeting and welcoming people and directing them to the proper	School staff	
Waiting area for visitors, students, and staff members	Parents	
	Students	
RECEPTION AREA		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Telephone/voicemail port at each workstation	Yes
	Video and data ports for each workstation	Yes
	Quad outlet for each data port	Yes
	Mounted television monitor	Yes
	Intercom	Yes
RECEPTION AREA		QTY
FURNITURE / EQUIPMENT	Student and visitor seating	Yes
	Locking file cabinets	Yes
	Ergonomic task chairs	Yes
	Networked computers	Yes
	Information board	Yes
	Message board	Yes
	Bulletin board	Yes
	Magnetic marker board	Yes
	Clock	Yes
	Reception desk	Yes
DOORS & WINDOWS	Door: large view panel	Yes
	Windows: operable with blinds to allow controlled natural lighting	Yes
	Glass walls to work room and front hall	Yes
	Visual ability to view persons entering and leaving building	Yes
SPECIAL CONSIDERATIONS	Bright, yet soft lighting	Yes
	Inviting to visitors	Yes
	Colorful	Yes
	Secure entry for visitors [light and buzzer indicator alerts]	Yes
	Multiple Parent and Student entrances	Yes
	Vinyl tile flooring	Yes
	Kiosk	Yes

SECRETARIAL AREA	
ACTIVITIES	PERSONS
Greeting people and directing them to the proper location or person	School staff
Assisting in administrative duties	

SECRETARIAL AREA		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets	Yes
TECHNOLOGY	Telephone/voicemail port at each workstation	Yes
	Video and data ports for each workstation	Yes
	Quad outlet for each data port	Yes
	Mounted television monitor	Yes
	Entryway buzzer	Yes
FURNITURE / EQUIPMENT	Desk/computer workstation	Yes
	Locking file cabinets	Yes
	Ergonomic task chairs	Yes
	Bulletin board	Yes
	Magnetic marker board	Yes
	Message board	Yes
	Networked computers	Yes
	Printer/copier	Yes
	Paper shredder	Yes
	Fax machine	Yes
	Clock	Yes
DOORS & WINDOWS	Windows: operable with blinds	Yes
SPECIAL CONSIDERATIONS	Bright, yet soft lighting	Yes
	Inviting to visitors	Yes
	Colorful	Yes
	Secure entry for visitors	Yes
	Enclose one secretarial area	Yes
	Carpeted flooring	Yes
	Additional storage for secretarial/bookkeeper	Yes

PRINCIPAL'S OFFICE		
ACTIVITIES	PERSONS	
Conferences with staff and visitors	Principal	
Telephone calls		
Administrative activities		
Planning		
Computer Work		
PRINCIPAL'S OFFICE		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Lockable storage cabinets	Yes
	Flexible surfaces	Yes
	Legal size file lateral drawer	Yes
	Desk with return	1
	Desk chair	1
	Guest chairs	4
	Lamps	Yes
	Bookshelves	18LF
	Marker board	4LF
	Laptop computer	1
	Printer	1
	Locking file cabinet, 4 drawer	1 to 2
	Bulletin board	4LF
	Clock	1
DOORS & WINDOWS	Door: narrow or view panel [two entrances]	Yes
	Door: to the conference room	Yes
	Windows: operable with blinds to allow for controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Carpeted flooring	Yes

CONFERENCE ROOM	
ACTIVITIES	PERSONS
Small group meetings/conferences	Administrators
	Counselors
	Staff
	Parents
	Students
	Visitors

CONFERENCE ROOM		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
	Overhead lighting [dimmable]	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Television	Yes
	Quad outlet adjacent to each data port	Yes
	White board screen on whole wall	Yes
	Ceiling-mounted computer projector with retractable screen and computer	1
FURNITURE / EQUIPMENT	Counter top with sink, base, and wall cabinets	Yes
	Modular conference table	1
	Conference chairs	1/25 SF
	Credenza	Yes
	Magnetic marker board	Yes
	Retractable projection screen	1
	Tack board	Yes
	Bulletin board	4 LF
	Bookshelves	Yes
	Clock	1
DOORS & WINDOWS	Door: large view panel with optional sidelight	Yes
	Windows: to hallway with mini-blinds	Yes
SPECIAL CONSIDERATIONS	Consideration for sound transfer	Yes
	Carpeted flooring	Yes

MAIL / WORK / COPY ROOM		
ACTIVITIES	PERSONS	
Copying	Staff	
Collating		
Preparing communications for mailing		
Laminating, book making, poster making		
General office work		
Delivery of general mail		
Storage		
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Work tables	2
	Counter over base cabinets	16 LF
	Electric paper cutter	Yes
	Overhead cabinets	8 LF
	Chairs	2
	Computer workstations	1
	Wall shelving	8 LF
	Lockable storage cabinet	Yes
	Staff mailboxes	Yes
	Fax machine	1
	Copier w/Sorter	1
	B&W and color printer	1
	Scanner	1
	Laminating machine	1
	Paper storage, shredder, and cutter	yes
	Marker board	8 LF
	Tack board	Yes
	Bookshelves	Yes
	Clock	1
DOORS & WINDOWS	Door: large view panel with optional sidelight	Yes
SPECIAL CONSIDERATIONS	Consideration for sound transfer	Yes
	Separate entrance for staff to have mailbox access	Yes
	Multiple access points	Yes
	Tile flooring	Yes

ADMINISTRATIVE STORAGE	
ACTIVITIES	PERSONS
Storage	Staff

ADMINISTRATIVE STORAGE		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Case work to include: - countertop with base and wall cabinets - Lockable storage cabinets - Wall shelving - Lateral files	Yes
	Fireproof storage cabinet	Yes
	Clock	Yes
DOORS & WINDOWS	Solid, lockable door	Yes
SPECIAL CONSIDERATIONS	Tile flooring	Yes
	Optimize layout for storage	Yes

STAFF RESTROOMS	
ACTIVITIES	PERSONS
Personal hygiene	Teachers
	Administrators

STAFF RESTROOMS		QTY
MECHANICAL	Exhaust fan	Yes
PLUMBING	Sink with hot and cold water	2
	Toilet (male / female)	2
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include: - cabinet with mirror	Yes
DOORS & WINDOWS	Door: no view panel	Yes
	Windows: none	Yes
SPECIAL CONSIDERATIONS	Hands-free dispensers	Yes

SECURITY OFFICE	
ACTIVITIES	PERSONS
School security	Resource officer

SECURITY OFFICE		QTY
MECHANICAL	Climate controlled	Yes
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Quad outlets at each data port	Yes
TECHNOLOGY	Data ports	Yes
	Wireless access	Yes
FURNITURE / EQUIPMENT	Security monitoring system	Yes
	Desk	Yes
	Chairs	4
DOORS & WINDOWS	Door with view panel	Yes
	Windows with operable blinds	Yes
SPECIAL CONSIDERATIONS	Securable room	Yes
	Lockable storage	Yes

ADDITIONAL OFFICES		
ACTIVITIES	PERSONS	
Other Office duties	School staff	
ADDITIONAL OFFICES		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Lockable storage cabinets	Yes
	Flexible surfaces	Yes
	Legal size file lateral drawer	Yes
	Desk with return	1
	Desk chair	1
	Guest chairs	2
	Lamps	Yes
	Bookshelves	18LF
	Marker board	4LF
	Laptop computer	1
	Printer	1
	Locking file cabinet, 4 drawer	1 to 2
	Bulletin board	4LF
	Clock	1
DOORS & WINDOWS	Door: view panel	Yes
	Windows: no special considerations	
SPECIAL CONSIDERATIONS	Bright, soft lighting	Yes
	Carpeted flooring	Yes

**State College Area School District
High School Educational Specifications**



HEALTH CLINIC/SUITE		
ACTIVITIES	PERSONS	
Treating students with illnesses	School nurse	
Preventative health measures	School staff	
	Parents	
	Students	

HEALTH CLINIC/SUITE			QTY
MECHANICAL	Exhaust fan		Yes
PLUMBING	Restrooms		2
	Sinks with hot and cold water		2
	One sink should be larger than standard to accommodate eye flush adapted faucet		Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall		Yes
TECHNOLOGY	Telephone/intercom/voicemail port		Yes
	Video and data ports		Yes
	Quad outlet adjacent to each data port		Yes

HEALTH CLINIC/SUITE			QTY	
FURNITURE / EQUIPMENT	Casework to include: - Countertop with sink - Base and wall cabinets - Wardrobe cabinet - Locking file cabinet [minimum of 3] - Student clothing storage with drawers - Locking medicine cabinets		Yes	
	Desk and chair		Yes	
	Side chairs and table		Yes	
	Fax and copy machine		Yes	
	Cots		Yes	
	Rolling carts		Yes	
	Lamps		Yes	
	Refrigerator		Yes	
	Networked computer		Yes	
	Magnetic marker board		Yes	
	Tack board		Yes	
	Cubicle curtains with track		Yes	
	Clock		Yes	
	Medical sharps waste disposal		Yes	
	Defibrillator		Yes	
	Biohazard disposable can		Yes	
	DOORS & WINDOWS	Door: narrow or view panel with blinds		Yes
		Windows: with blinds for privacy		Yes
Window between office clinic			Yes	
SPECIAL CONSIDERATIONS	Auditory/visual privacy		Yes	
	Health clinic to include restroom, nurse's office, exam room		Yes	
	Tile flooring		Yes	

CAREER CENTER	
ACTIVITIES	PERSONS
Research colleges and careers	Media Specialist
	Guidance Counselor
	Media Assistant
	Students

CAREER CENTER		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Wireless lab cart	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
FURNITURE / EQUIPMENT	Conference table	Yes
	Conference chairs	Yes
	Side chairs	Yes
	Magnetic marker board	Yes
	Tack board	Yes
	Clock	Yes
	DVD compatible projection or flat screen	Yes
	Lockable cabinets	Yes
	Pamphlet rack	Yes
DOORS & WINDOWS	Door: solid	Yes
	Windows: large view panel	Yes
SPECIAL CONSIDERATIONS	Carpet flooring	Yes

GUIDANCE RECEPTION AREA	
ACTIVITIES	PERSONS
Greeting and welcoming people and directing them to the proper location or	School staff
Waiting area for visitors, students, and staff members	Parents
	Students

GUIDANCE RECEPTION AREA		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Telephone/voicemail port at each workstation	Yes
	Video and data ports for each workstation	Yes
	Quad outlet for each data port	Yes
	Mounted television monitor	Yes
	Intercom	Yes

GUIDANCE RECEPTION AREA		QTY
FURNITURE / EQUIPMENT	Student and visitor seating	Yes
	Locking file cabinets	Yes
	Ergonomic task chairs	Yes
	Networked computers	Yes
	Information board	Yes
	Message board	Yes
	Bulletin board	Yes
	Magnetic marker board	Yes
	Clock	Yes
	Reception desk	Yes
DOORS & WINDOWS	Door: large view panel	Yes
	Windows: operable with blinds to allow controlled natural lighting	Yes
	Glass walls to work room and front hall	Yes
	Visual ability to view persons entering and leaving building	Yes
SPECIAL CONSIDERATIONS	Bright, yet soft lighting	Yes
	Inviting to visitors	Yes
	Colorful	Yes
	Secure entry for visitors [light and buzzer indicator alerts]	Yes
	Multiple Parent and Student entrances	Yes
	Vinyl tile flooring	Yes
	Kiosk	Yes

COUNSELORS' OFFICES		
ACTIVITIES	PERSONS	
Counseling of students with concerns	Counselors	
Conferencing with parents, students, and staff	School staff	
	Parents	
	Students	
	Visitors	
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Telephone	1
	Intercom	Yes
FURNITURE / EQUIPMENT	Lockable storage cabinets	Yes
	Flexible surfaces	Yes
	Legal size file lateral drawer	Yes
	Desk with return	1
	Desk chair	1
	Guest chairs	4
	Storage closet/wardrobe	Yes
	Lamps	Yes
	Bookshelves	18LF
	Marker board	4LF
	Laptop computer	1
	Printer	1
	Locking file cabinet, 4 drawer	1 to 2
	Bulletin board	4LF
	Clock	1
DOORS & WINDOWS	Door: narrow or view panel with blinds	Yes
	Door: to the conference room	Yes
	Windows: no specific requirements	Yes
SPECIAL CONSIDERATIONS	Auditory/visual privacy	Yes
	Carpeted flooring	Yes

GUIDANCE CONFERENCE ROOM		
ACTIVITIES	PERSONS	
Small group meetings/conferences	Administrators	
	Counselors	
	Staff	
	Parents	
	Students	
	Visitors	
GUIDANCE CONFERENCE ROOM		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Multiple duplex electrical outlets on each wall	Yes
	Quad outlet at each data port	1
	Overhead lighting [dimnable]	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Television	Yes
	Quad outlet adjacent to each data port	Yes
	White board screen on whole wall	Yes
	Ceiling-mounted computer projector with retractable screen and computer	1
FURNITURE / EQUIPMENT	Counter top with sink, base, and wall cabinets	Yes
	Modular conference table	1
	Conference chairs	1/25 SF
	Credenza	Yes
	Magnetic marker board	Yes
	Retractable projection screen	1
	Tack board	Yes
	Bulletin board	4 LF
	Bookshelves	Yes
	Clock	1
DOORS & WINDOWS	Door: large view panel with optional sidelight	Yes
	Windows: to hallway with mini-blinds	Yes
SPECIAL CONSIDERATIONS	Consideration for sound transfer	Yes
	Carpeted flooring	Yes



Cafeteria / Food Services

The Cafeteria/Student Union will serve as a center where students, staff, and visitors can obtain a quick, desirable, economical snack or meal. The facility should be comfortable, inviting, and cheerful and can also serve as a banquet facility, meeting room, or hold other after school activities.

The Cafeteria/Kitchen area will consist of a large student eating area, kitchen where meals are prepared, storage areas, and an area for trucks delivering supplies for food service.

The physical layout should permit efficient movement and storage of tables and chairs so that the facility may be quickly converted from a dining area to large group meeting/instruction spaces and a large open area for dances and other reception activities.

The Cafeteria should be available for public use with:

- Parking nearby
- Easy access
- Ability to be separated
- Ability to secure
- Restroom availability
- Serving lines organized for efficient traffic flow and multi-item service

As the main dining area will likely serve as a meeting area and location of social events after school hours, it should be near adequate public parking and have the ability to be closed off from areas of the school that may need to avoid unsupervised foot traffic during certain times.

The purpose of the Cafeteria is to provide a pleasant atmosphere for students to eat meals and to provide a flexible meeting space for groups if needed.

The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas, and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.

Cafeteria / Food Services Space Requirements

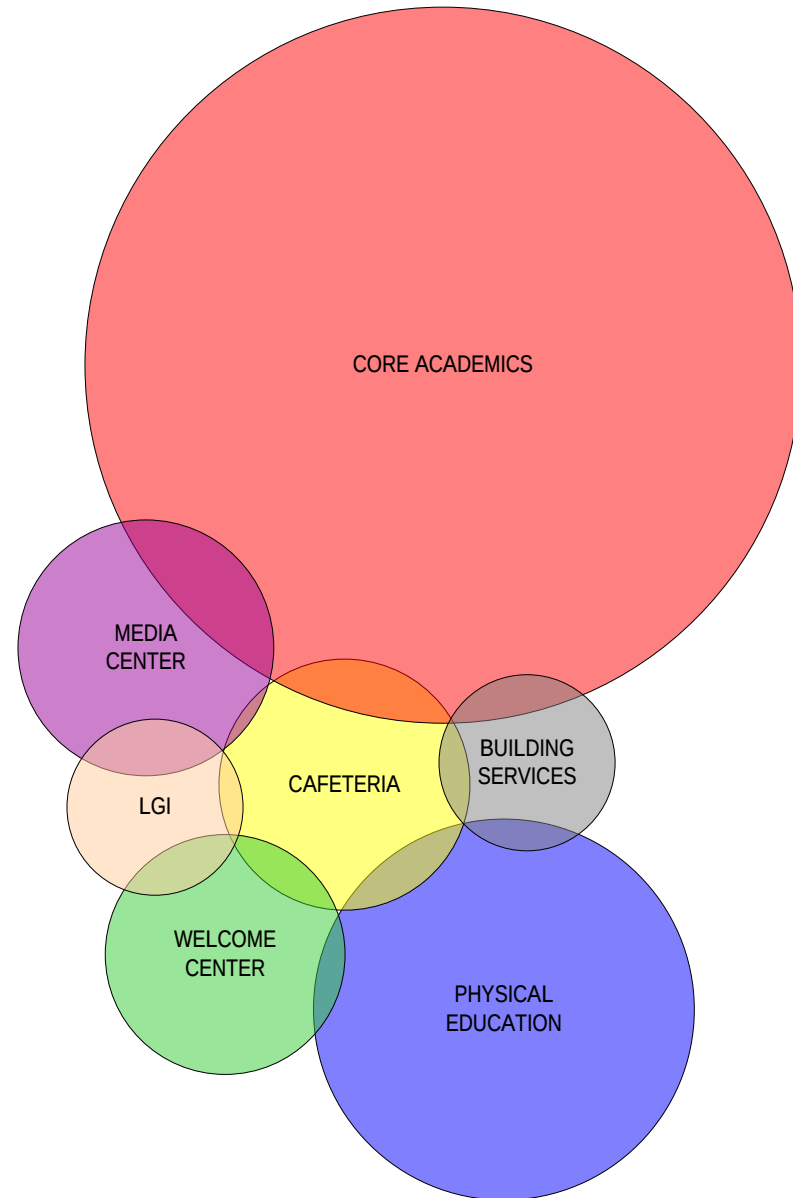
Cafeteria / Food Service	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Kitchen																
Preparation Area																
Serving Area																
Dry Food Storage																
Cooler/Freezer			1	7,000		1	3,500	3,500				0				10,500
Ware Washing																
Kitchen Mgr Office																
Restroom																
Lockers																
Multipurpose Room/Cafeteria/Commons (3 servings)		1	6,000	6,000		1	6,000	6,000				0		2	12,000	12,000
Table & Chair Storage		1	500	500		1	500	500						2	1,000	1,000
Staff Dinning Area		1	750	750		1	750	750						2	1,500	1,500
Club Area		1	750	750		1	750	750						2	1,500	1,500
School Store						1	1,000	1,000						1	1,000	1,000
Food Service Sub-Total				15,000				12,500				0				27,500

*These calculations assume that the Elementary School Kitchen is included in High School

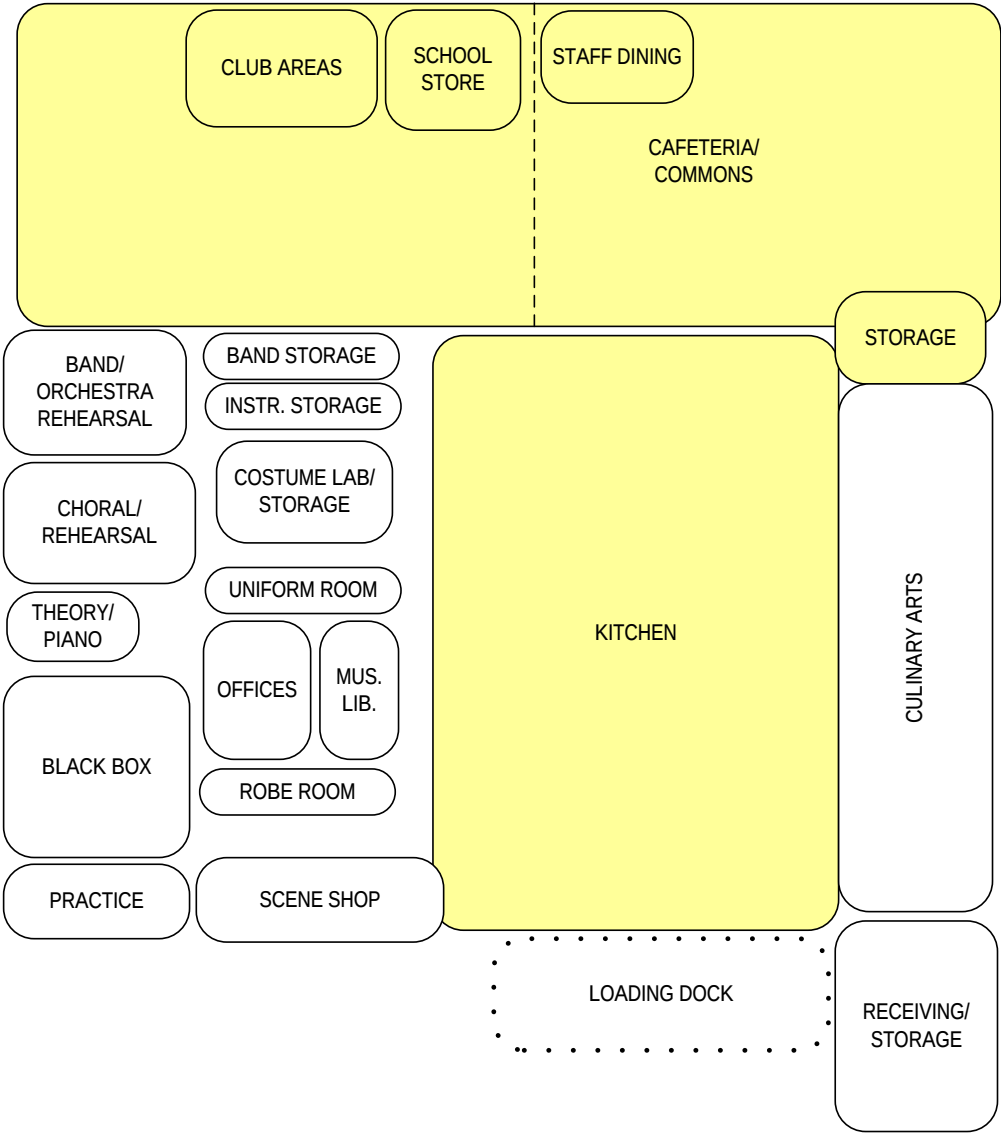
Cafeteria / Food Services Spatial Relationships

Cafeteria / Food Services spaces will be shared by each learning community. Members of the community will use the cafeteria / student union before, after, and possibly during school hours. For this reason, there should be access to the outside, a separate secured entry, and a location near the loading dock. The pages that follow describe in more detail each program area space listed in the space requirements table above.

The Cafeteria should be located adjacent to the Food Service Area, the Custodial & Maintenance Area, and the Auditorium. The Cafeteria should also be located in an area that is easily accessible to community members.



Cafeteria / Food Services Illustration



PREPARATION AREA		
ACTIVITIES	PERSONS	
Warming & cooking food	Food service personnel	
PREPARATION AREA		QTY
MECHANICAL	65-70 Degrees year round temperature	Yes
	MUA unit capable of heating and cooling [evaporative or air conditioning]	Yes
	Mechanical [cable operated] gas shut-off valve for hood fire suppression system	Yes
	Back-up generators for refrigerators	Yes
	Surface mounted gas manifold under hood for cooking equipment gas supply	Yes
PLUMBING	Multiple sinks	Yes
	Waste disposal	Yes
	Trough drain at cook line	Yes
	Floor sinks and drains	Yes
	Garbage disposals & pre-rinse	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Television for announcements	Yes
	Other electric based on equipment requirements	Yes
TECHNOLOGY	Data ports	Yes
	Telephone	Yes
PREPARATION AREA		QTY
FURNITURE / EQUIPMENT	Special equipment needs for food preparation to be determined by Kitchen Consultant	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Windows: where possible	Yes
	Security system	Yes
	Double doors to Storage, Loading/Receiving, and Serving Area	Yes
SPECIAL CONSIDERATIONS	Quarry tile flooring	Yes
	Locate near dock	Yes
	Natural lighting where possible	Yes
	Grease traps	Yes
	Acoustical separation between kitchen and multi-purpose room so functions can occur in the multi-purpose room while kitchen is in use	Yes

SERVING AREA	
ACTIVITIES	PERSONS
Serving food	Food personnel
Serving lines or distributed food serving	Students -- multiple serving lines

SERVING AREA		QTY
MECHANICAL	65 - 70 Degrees year round temperature	Yes
PLUMBING	Floor drains	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Cord drops for serving equipment and POS equipment – dedicated circuits	Yes
TECHNOLOGY	Cash register/computers for food check-out	Yes
	Multi-lane POS system	Yes
	Data drops from T-bar ceiling	Yes
FURNITURE / EQUIPMENT	Point-of-sale cash registers	Yes
	Other special equipment needs for food serving	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Security system	Yes
	Serving windows to outdoor dining areas	Yes
SPECIAL CONSIDERATIONS	Tile flooring	Yes
	Locate near dock and kitchen	Yes
	Multiple self-service points	Yes
	Convenience store feel	Yes
	Special opening to enable multiple serving areas for community use	Yes

DRY FOOD STORAGE	
ACTIVITIES	PERSONS
Storage for dry food and paper	Food service personnel

DRY FOOD STORAGE		QTY
MECHANICAL	65-70 Degrees year round	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Rust resistant 24" deep shelving and dunnage racks	Yes
	Other special equipment needs for food storage	Yes
	Catering storage	Yes
	Commodity storage	Yes
	Shelving to maximize storage	Yes
DOORS & WINDOWS	Windows: none	Yes
	Door: view panel	Yes
	Security system – locks keyed for food service personnel access only	Yes
	Double doors to kitchen	Yes
	Double doors to Receiving	Yes
SPECIAL CONSIDERATIONS	Tile flooring	Yes

COOLER / FREEZER

ACTIVITIES	PERSONS
Storage	Food service personnel

COOLER / FREEZER **QTY**

MECHANICAL	See manufacturer's specifications	Yes
	Blast chiller	
	Separate condensing units for each box [cooler and freezer]	Yes
PLUMBING	Freezer-heated condensate	Yes
	Hose bib	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Coordinate power requirements with equipment manufacturer	Yes
	Fluorescent lighting	Yes
	Emergency lighting	Yes
TECHNOLOGY	Radio controlled temperature monitoring or similar devise	Yes
	Locate remote, hard wired	Yes
FURNITURE / EQUIPMENT	Walk-in freezers and coolers	Yes
	Rust-proof shelving, 18' deep with additional 24" deep dunnage racks in freezer and refrigerator	Yes
	Catering storage	Yes
	Commodity storage	Yes
	Open wall space for utility racks	Yes
DOORS & WINDOWS	Door: view panel, safety latch	Yes
	Gravity closing hinges	Yes
	Snubber-type door closer	Yes
SPECIAL CONSIDERATIONS	Quarry tile or sealed concrete flooring	Yes
	Located next to delivery door, close to supervisor's office	Yes
	Refrigerator accessible from receiving for dairy deliveries	
	Floor drain	Yes

WARE WASHING

ACTIVITIES	PERSONS
Washing of preparation equipment	Food service personnel
Sanitizing	

WARE WASHING		QTY
MECHANICAL	Exhaust fan over utensil sink	Yes
PLUMBING	Large sinks and sprayers [pre-rinse]	Yes
	Garbage disposal	Yes
	Floor drain	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Coordinate power requirements with equipment manufacturer	Yes
	Fluorescent lighting	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Rust-proof shelving	Yes
	Dish room for tray return	Yes
	Pulper	
	Drying racks	Yes
DOORS & WINDOWS	Door: no special requirements	Yes
	Windows: none	Yes
SPECIAL CONSIDERATIONS	Tile flooring	Yes
	Separate dish room for pots/pans	Yes
	Rubber flooring	Yes

KITCHEN MANAGER'S OFFICE	
ACTIVITIES	PERSONS
Scheduling	Food service manager
Staff evaluations/discipline/small meetings	
Customer Service	
Ordering Supplies	

KITCHEN MANAGER'S OFFICE		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Quad electrical outlets on each wall	Yes
	Overhead lighting	Yes
TECHNOLOGY	Access to voice, video, data ports, and electrical outlets	Yes
	Quad outlets adjacent to each data port	Yes
	Telephone	Yes
	Cable access to IDF	Yes

KITCHEN MANAGER'S OFFICE		QTY
FURNITURE / EQUIPMENT	Lockable storage cabinets	Yes
	Flexible surfaces	Yes
	Portable work stations	Yes
	Desk with return	1
	Desk chair	1
	Credenza	1
	Bookshelves	18LF
	Marker board	4LF
	Laptop computer	1
	Printer	1
	File cabinet, 4 drawer	1 to 2
	Bulletin board	4LF
	Safe	Yes
	Wall-mounted bin boxes above desk/work surface	Yes
	First-Aid kit	Yes
	Clock	1
DOORS & WINDOWS	Door: large view panel	Yes
	Windows: operable with ½ glass looking into serving area, food prep area, and receiving/storage areas	Yes
	Door keyed for food service personnel access only	Yes
	Security system	Yes
SPECIAL CONSIDERATIONS	Located to view both delivery and production areas	Yes
	Separate offices for central food service administration	Yes

RESTROOMS

ACTIVITIES	PERSONS
Personal hygiene	Food service personnel

RESTROOMS		QTY
MECHANICAL	Exhaust fan	Yes
PLUMBING	Sink with hot and cold water	Yes
	Toilet	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Casework to include: - cabinet with mirror	Yes
	Soap dispenser	Yes
	Towel dispenser	Yes
DOORS & WINDOWS	Door: no view panel	Yes
	Windows: none	Yes
SPECIAL CONSIDERATIONS	Adjacent to locker room	Yes
	Gender specific or 2 uni-sex	Yes

LOCKERS	
ACTIVITIES	PERSONS
Food service personnel storage	Food service personnel

LOCKERS		QTY
MECHANICAL	Ventilation	Yes
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Lockers – sloped tops	Yes
	Benches	Yes
	Laundry	Yes
	Table for staff meals	Yes
	Locking storage cabinet	Yes
DOORS & WINDOWS	Door: no special requirements	Yes
	Windows: none	Yes
SPECIAL CONSIDERATIONS	Adjacent to food service restroom	Yes

**State College Area School District
High School Educational Specifications**



MULTIPURPOSE ROOM / CAFETERIA / COMMONS (3 SERVINGS)		
ACTIVITIES	PERSONS	
Student dining	Staff members	
School and community program, meetings, and activities	Community – primarily after school hours	
Performances	Parents	
	Students	
MULTIPURPOSE ROOM / CAFETERIA / COMMONS (3 SERVINGS)		
		QTY
MECHANICAL	No special requirements	
PLUMBING	Drinking fountain/Hand washing	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
	Adequate sound / lighting system for multiple use of facility including audience & staging capability	Yes
	Variable lighting levels	Yes
	Special stage lighting or performances	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	Audio enhancement system	Yes
	Sound system with portable or wireless microphones	Yes
	POS capability for remote serving carts for rainy days	Yes
FURNITURE / EQUIPMENT	Round, fold up tables	Yes
	Stackable, free standing chairs and chair dolly	Yes
	CD/DVD player	Yes
	Equipment rack in control closet	Yes
	Computer projector	Yes
	Large, retractable projection screen	Yes
DOORS & WINDOWS	Door: double doors with access to outside courtyard/dining area	Yes
	Door: double doors to table storage	Yes
	Windows: operable, with blinds to allow for controlled natural lighting	Yes
	Room darkening capabilities	Yes
SPECIAL CONSIDERATIONS	Good sight lines to all areas of the room for supervision	Yes
	Acoustic sound panels	Yes
	Visually pleasing but easy to clean and maintain	Yes
	Control closet with light and sound control box	Yes
	Tile flooring with various colors to show table placement	Yes
	Access to outdoor seating areas	Yes
	Special consideration needs to be given to multiuse of cafeteria [i.e., auditoria, cafetorium, etc.]; this is to be a presentation area as well as dining area; this will have a major impact on ceiling heights, windows, wall treatment, lighting, etc.	Yes

TABLE & CHAIR STORAGE	
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ACTIVITIES	PERSONS
Storage	Custodial/Maintenance staff

TABLE & CHAIR STORAGE		QTY
MECHANICAL	No special requirements	
PLUMBING	Sink with hot & cold water	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Table and chair racks	Yes
	Shelving above tables and chairs	Yes
DOORS & WINDOWS	Door: solid, double doors to cafeteria	Yes
	Windows: none	Yes
SPECIAL CONSIDERATIONS	No special requirements	

STAFF DINING WITH VENDING

ACTIVITIES	PERSONS
Staff dining	Faculty
	Staff

STAFF DINING WITH VENDING		QTY
MECHANICAL	No special requirements	
PLUMBING	Counter and sink	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
FURNITURE / EQUIPMENT	Casework to include: - Countertop with sink, base, and wall cabinets	Yes
	Microwave oven	Yes
	Table and chairs	Yes
	Magnetic marker board	Yes
	Tackboard	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Windows: operable, allow controlled natural lighting	Yes
SPECIAL CONSIDERATIONS	Carpet and partial vinyl tile flooring	Yes
	Lounge capability	Yes
	Vending machines	Yes

CLUB AREAS	
ACTIVITIES	PERSONS
Club meetings	Students
	Club Advisors

CLUB AREAS		QTY
MECHANICAL	No special requirements	
PLUMBING	Hot and cold water for sink	Yes
ELECTRICAL / LIGHTING	Quad outlet at each data port	Yes
TECHNOLOGY	Data ports	Yes
	Wireless access points	Yes
FURNITURE / EQUIPMENT	Tables and chairs	Yes
	Counter top with sink with upper and base cabinets for storage	Yes
	Tall lockable storage cabinets	Yes
	Bulletin board	Yes
	White board	Yes
DOORS & WINDOWS	Door with view panel	Yes
	Windows to outdoors with blinds for lighting control	Yes
SPECIAL CONSIDERATIONS	No Special Requirements	

SCHOOL STORE

ACTIVITIES	PERSONS
Sell school merchandise and supplies	Students
	Staff

SCHOOL STORE		QTY
MECHANICAL	No Special Requirements	
PLUMBING	No Special Requirements	
ELECTRICAL / LIGHTING	Quad outlets at each data port	Yes
TECHNOLOGY	Data ports	Yes
	Computer	Yes
FURNITURE / EQUIPMENT	Slat wall displays	Yes
	Lockable storage closet	Yes
	Chairs	2
	Networked printer	Yes
	Free Standing displays	Yes
	Counter top with lockable roll up window for sales	Yes
	Shelving	Yes
DOORS & WINDOWS	Door with view panel	Yes
SPECIAL CONSIDERATIONS	Equipment for financial transactions	Yes



Custodial/Building Services

The Custodial/Maintenance operations are two distinct units. The custodial staff will provide a quality, cost-effective service to ensure a safe and clean environment that promotes the educational process. Custodians will be responsible for the care, cleaning, and light maintenance of the facility; provide daily cleaning of facility; and coordinate with all building users, administration, teaching staff, and community users to ensure a safe and climate controlled environment that will allow uninterrupted use of the facility. Custodians will maintain storage of materials to readily service the operation of the school and maintain necessary janitorial equipment and supplies to ensure that occupants' needs are met. They will also inspect, report, and correct

safety-related issues and maintain trained personnel on site to ensure that proper inspection, maintenance, and corrective measures are implemented so facility users are aware of the Division's commitment to safety.

The maintenance staff will, at the request of the Division coordinator, provide the "heavy maintenance" service to ensure that the school is safe, operational, and properly maintained in order to promote the learning environment. The maintenance staff will conduct routine maintenance and perform repair of major physical systems within the school.

The pages that follow contain a list of spaces and drawings illustrating the relationship between various program areas, and the individual spaces within the program area. Additionally, a description of the activities, persons to accommodate, and items to be considered is included.

Facility Considerations

Listed below are various items that should be considered during the design of the new facility.

Exterior:

- Outside hose bibs every 200 feet around perimeter of building and on roof (to clean rooftop units)
- Concrete pad sized for dumpster storage with outside trash compactor and recycling dumpster, including sewer drain and hose bib (hot and cold water) near trash area; trash compactor accessible from inside building if not inside
- Road access (separate from vehicular and student traffic and from play areas)
- Outside storage to have electricity
- Direct access from building near dumpsters only
- Centralized delivery for food service and supply deliveries/ share loading dock space
- Mini loading dock connected to building

Interior:

- Electrical outlets in corridors 12' max separation
- Chemical dispensing system—area on wall for rack
- Service closets spread throughout the building with floor drain, recessed mop sink, and storage shelving; dam 6-8" high + floor drain
- All restrooms to have floor drains, outlets, and hose bibs
- Electrical and lighting for science and art and any location with a sink shall have GFCI protected circuits
- Storage
- Window blinds / cords not accessible to students; shades in double pane windows

Dock:

- Dock area height to match Division delivery truck lift height
- Hand dolly ramp with adjustable dock plate
- Dock shared by food service – near food service area
- Lockable doorways that separate dock area from hallways
- Staging area for deliveries
- Outside lighting for early/late deliveries
- Sealed concrete
- Recessed docks shall have pumps and drains

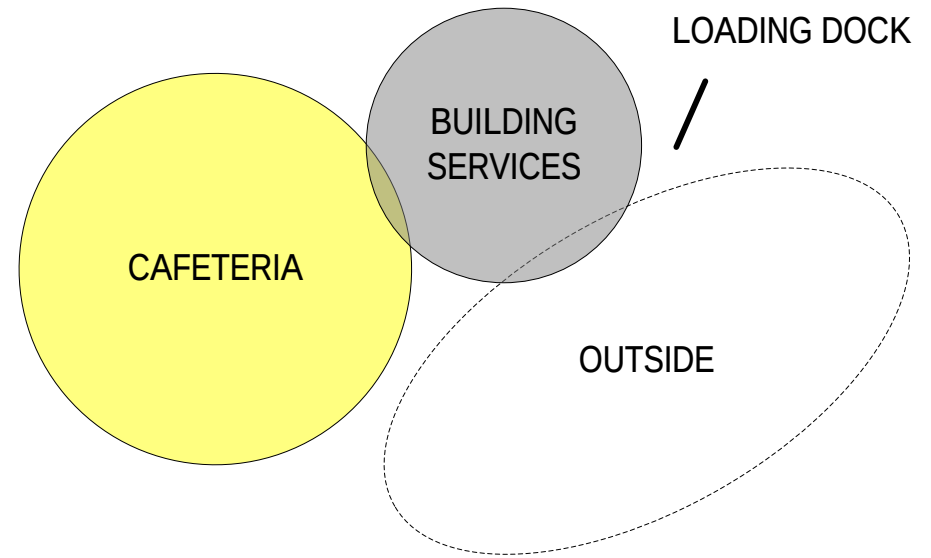
Custodial / Building Services Space Requirements

Custodial / Building Services	9-10 School				11-12 School				Shared Area				Total Area			
	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total	TS	Qty.	SF	Total
Receiving/Storage		1	500	500		1	500	500		1	1,000	1,000		3	2,000	2,000
Maintenance/Repair Area										1	1,000	1,000		1	1,000	1,000
Office/Planning/Meeting Area/Break Room										1	600	600		1	600	600
Locker Room/Toilets										2	600	1,200		2	600	1,200
Loading Area			outside				outside				outside				outside	
Custodial Sub-Total	0			500	0			500	0			3,800	0			4,800

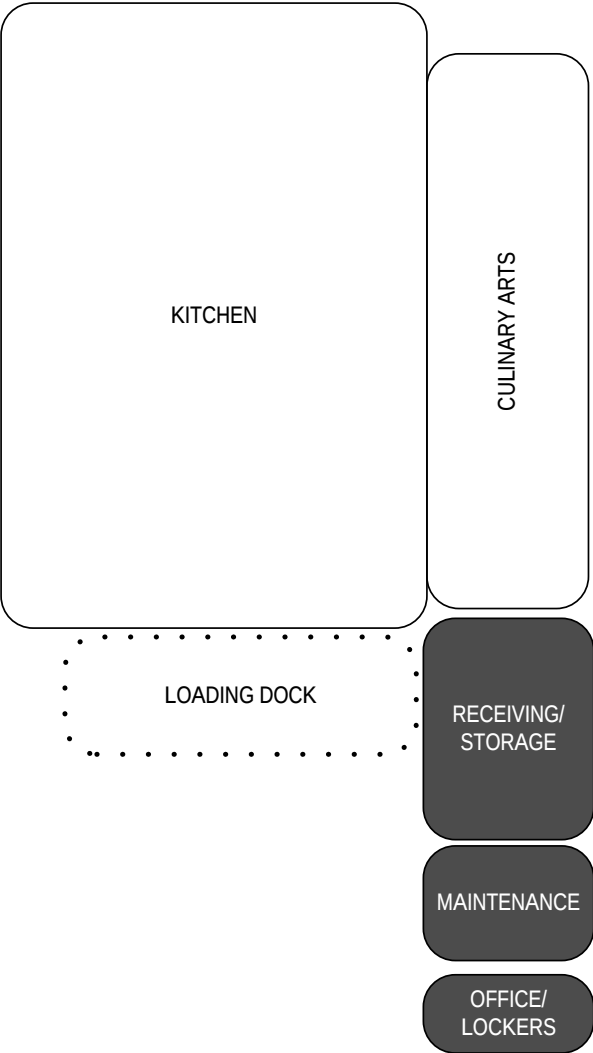
Custodial / Building Services Spatial Relationships

Building Services will be utilized by each learning community and should be located near the Cafeteria/Food Services area and the loading dock.

The Custodial & Building Services Area should be located adjacent to Food Services, Cafeteria / Student Union, and the Loading Dock.



Custodial / Building Services Illustration



RECEIVING / STORAGE		
ACTIVITIES	PERSONS	
Delivery area for bulk commodities, supplies, materials, and equipment	Custodial and Maintenance personnel	
Loading and unloading	Food service personnel	
Storage connected to building and secure		
RECEIVING / STORAGE		QTY
MECHANICAL	No special requirements	
PLUMBING	Hot and cold water	Yes
ELECTRICAL / LIGHTING	Wiring for roll up door	Yes
TECHNOLOGY	Voice/video/data	Yes
FURNITURE / EQUIPMENT	Step ladders	Yes
	Dollies	Yes
	Lifts	Yes
	Shelving optimized for storage cleaning supplies, equipment, and school deliveries	Yes
	Pallet jack	Yes
DOORS & WINDOWS	Oversized Doors for all custodial equipment: electric roll-up door to loading dock	Yes
	Double doors with removable mullions to hallway	Yes
SPECIAL CONSIDERATIONS	Located adjacent to the Custodial and maintenance area and Food Service area	Yes
	Proper lighting and ventilation	Yes

MAINTENANCE / REPAIR AREA	
ACTIVITIES	PERSONS
General maintenance	Custodial/ maintenance personnel
Painting	
Repair of small electrical items, equipment, furniture, doors, blinds, fixtures, etc.	
Preventative maintenance	

MAINTENANCE / REPAIR AREA		QTY
MECHANICAL	Exhaust fan	Yes
	HVAC	Yes
PLUMBING	Sink with hot and cold water	Yes
	Hot and cold water hose bib	Yes
	Floor drains	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall, spaced 12' max	Yes
	20 amp outlets in workroom	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
FURNITURE / EQUIPMENT	Work bench with built-in electrical outlets	Yes
	Peg boards for bench work	Yes
	Hazmat storage	Yes
	Locking shelving for tools	Yes
	Compressor	Yes
	Eye wash	Yes
	Soap dispenser	Yes
	Paper towel holder	Yes
	Built in vise	Yes
	Ladder	Yes
	Fire extinguisher	Yes
	Shelving optimized for storage of cleaning supplies and equipment	Yes
DOORS & WINDOWS	Door: for moving large equipment	Yes
SPECIAL CONSIDERATIONS	Soundproofing between workroom and instruction areas	Yes
	Adjacent to loading dock	Yes

OFFICE / PLANNING / MEETING / BREAK ROOM		
ACTIVITIES	PERSONS	
Telephone calls	Maintenance and Custodial personnel	
Paperwork		
Scheduling		
Training		
OFFICE / PLANNING / MEETING / BREAK ROOM		QTY
MECHANICAL	Air conditioning	Yes
PLUMBING	Sink with hot and cold water	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
	Quad outlet adjacent to each data port	Yes
	HVAC controls	Yes
	Data ports or e-mail (hand held) access and charging ports in custodial office	Yes
FURNITURE / EQUIPMENT	Casework to include: - Filing cabinet - Bookcase	Yes
	Tack board	Yes
	Desk with return	Yes
	Desk chair	Yes
	Small conference table with chairs	Yes
	Ergonomic task chairs	Yes
	Networked computer	Yes
	Printer	Yes
	File cabinet, 4 drawer	Yes
	Bulletin board	Yes
	Clock	Yes
DOORS & WINDOWS	Door: view panel	Yes
	Windows: window with a view of workroom and loading dock	Yes
SPECIAL CONSIDERATIONS	No special requirements	

LOCKER ROOM / TOILETS

ACTIVITIES	PERSONS
Custodial personnel storage	Custodial personnel

LOCKER ROOM / TOILETS		QTY
MECHANICAL	Ventilation	Yes
PLUMBING	Toilet and sink	Yes
ELECTRICAL / LIGHTING	Duplex electrical outlets on each wall	Yes
TECHNOLOGY	Telephone/intercom/voicemail port	Yes
	Video and data ports	Yes
FURNITURE / EQUIPMENT	Lockers	Yes
	Bench	Yes
	Locking storage cabinet	Yes
DOORS & WINDOWS	No Special Requirements	
SPECIAL CONSIDERATIONS	Should be combined with receiving and storage area	Yes

LOADING AREA	
ACTIVITIES	PERSONS
Delivery area for bulk commodities, supplies, materials, and equipment	Custodial and Maintenance personnel
Loading and unloading	Food service personnel

LOADING AREA		QTY
MECHANICAL	No special requirements	
PLUMBING	No special requirements	
ELECTRICAL / LIGHTING	Wiring for roll-up door	Yes
TECHNOLOGY	No special requirements	
FURNITURE / EQUIPMENT	Step ladders	Yes
	Dollies	Yes
	Lifts	Yes
DOORS & WINDOWS	Door: electric roll-up door to loading dock	Yes
	Double doors with removable mullions to hallway	Yes
	Windows: no special requirements	Yes
SPECIAL CONSIDERATIONS	Located adjacent to the Custodial and maintenance area and Food Service area	Yes
	Proper lighting and ventilation	Yes

Addendum

To: Dr. Patricia Best, State College Area School District Superintendent
From: Dr. William DeJong, DeJONG CEO
CC: Mr. Jeffrey Ammerman, State College Area School District Business Administrator
Mr. Edward Poprik, State College Area School District Director of the Physical Plant
Date: 6/17/2009
Re: High School Athletic Facilities in the State College Area School District

Athletic Facilities and the High School Educational Specifications

Physical education and athletics are a large part of student life in the State College Area School District. The high school facilitates physical education courses and numerous varsity, junior varsity, and club teams. Additionally, many community organizations utilize District fields and facilities. The need exists for a variety of athletic facilities and spaces to accommodate these activities.

In the current High School Educational Specifications, 83,700 square feet of the 350,870 square feet of programmed area are dedicated athletics and physical education facilities, representing nearly 25% of the entire high school facility. This area does not include exterior athletic fields, Memorial Field, or potential athletic support facilities that may be converted from the existing Central Office Building based on recommendations of the Facilities Master Plan.

The space allocations included in the Educational Specifications go beyond the typical requirements of a comprehensive high school for 2,400 students and has extensive community use.

However, this is not to say that if resources are available that additional facilities would not be desirable.

Additional Need for Athletic Fields and Facilities

Based on information gathered from follow-up high school meetings, it has been expressed that a greater need exists for athletic fields and facilities than the 83,700 square feet in the High School Educational Specifications. This additional space includes larger locker rooms, fitness training area, multipurpose area, office/support areas, and storage.

There is also a desire to increase the size of the swimming pool and related areas. Adding lanes to a swimming pool may be difficult to do through a renovation and may involve constructing a new pool.

Instructors also indicated a need for more outdoor athletic field space that does not currently exist on the Westerly Parkway High School site.

The following table displays the list of physical education and athletic spaces included in the educational specification and the space requirements of additional athletic facilities:

Space	Educational Specifications		Additional Space Needs		Total	
	Qty.	Total SF	Qty.	Total SF	Qty.	Total SF
Gym	2	28,000	0	0	2	28,000
Storage	2	3,000	0	0	2	3,000
Community Storage	2	1,000	0	0	2	1,000
Auxiliary Gym	1	8,000	0	0	1	8,000
Shower/Locker Room	4	8,000	0	0	4	8,000
Wrestling	1	4,000	0	0	1	4,000
Pool	1	8,000	0	0	1	8,000
Pool Shower/Locker Room	2	2,000	0	0	2	2,000
Team Shower/Locker Room	4	4,000	0	0	4	4,000
Training / Rehab / Cardio Classroom	1	1,000	0	0	1	1,000
Coaches Office/Conference	4	2,000	0	0	4	2,000
Coaches Toilets/Shower	2	400	0	0	2	400
Laundry	2	400	0	0	2	400
Health Classroom [divider wall between 2 classrooms]	4	3,600	0	0	4	3,600
Concessions	2	800	0	0	2	800
Athletic Director's Office Area	1	500	0	0	1	500
Fitness Center Complex	2	7,000	0	0	2	7,000
PE Offices	4	1,600	0	0	4	1,600
Bag Room	2	400	0	0	2	400
Extra Large Locker Rooms	0	0	2	10,000	2	10,000
Athletic/Fitness Training Area	0	0	1	5,000	1	5,000
Multipurpose Area	0	0	1	5,000	1	5,000
Additional Gym	0	0	1	10,000	1	10,000
New Natatorium	0	0	1	20,000	1	20,000
Additional Offices/Support Areas	0	0	TBD	2,000	TBD	2,000
Additional Storage	0	0	TBD	2,000	TBD	2,000
Total		83,700		54,000		137,700

Athletic Field and Facilities Funding

To build these additional athletic field and facilities, funding from the District, joint partnerships, fundraising, or a combination might be utilized. Joint partnerships with local municipalities, recreational athletic leagues, and other organizations that use school district facilities might be explored. These joint partnerships may include sharing of space, utility cost, maintenance, or a combination. For example, the School District may purchase land for athletic fields and make an agreement for a local municipality to maintain those fields (i.e. cut the grass, etc.).

Fundraising efforts may also be utilized to fund athletic fields and facilities. The State College Area School District has a great tradition for academics and athletics, and many alumni still live in the area. Fundraising should not be overlooked while trying to raise money, whether by student sales, naming rights for fields, etc.