

2016 Exhibition of School Planning and Architecture

Waukee Timberline School

Category: New Construction

Waukee Community School District

Waukee, IA

Waukee Timberline School





SITE PLAN

1. Timberline School
2. Parking
3. Future Parking
4. Bus Drop-off
5. Future Career Academy
6. School Athletics
7. Shared Community Athletic Fields

Located on the top of a ridge that looks out over the Timberline Campground and adjacent to two of the District's other buildings. The school partnered with the city and the local soccer club to co-develop the campus and gain additional athletic space to make the best use of the available funding.

Community Environment



The Waukee Community School District incorporates portions of Waukee, West Des Moines, Clive, and Urbandale, all of which are fast growing suburban communities in the Metro Des Moines, Iowa area. In serving populations from several smaller communities in the Metro, the Waukee District really has become its own greater community for the public it serves. Timberline School focuses on creating a sense of connectedness that students, parents and public from the different communities can embrace.

Community Environment



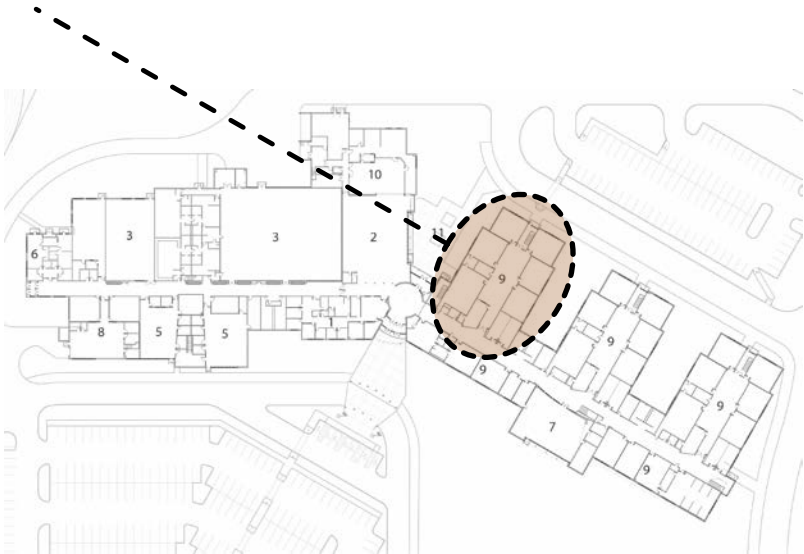
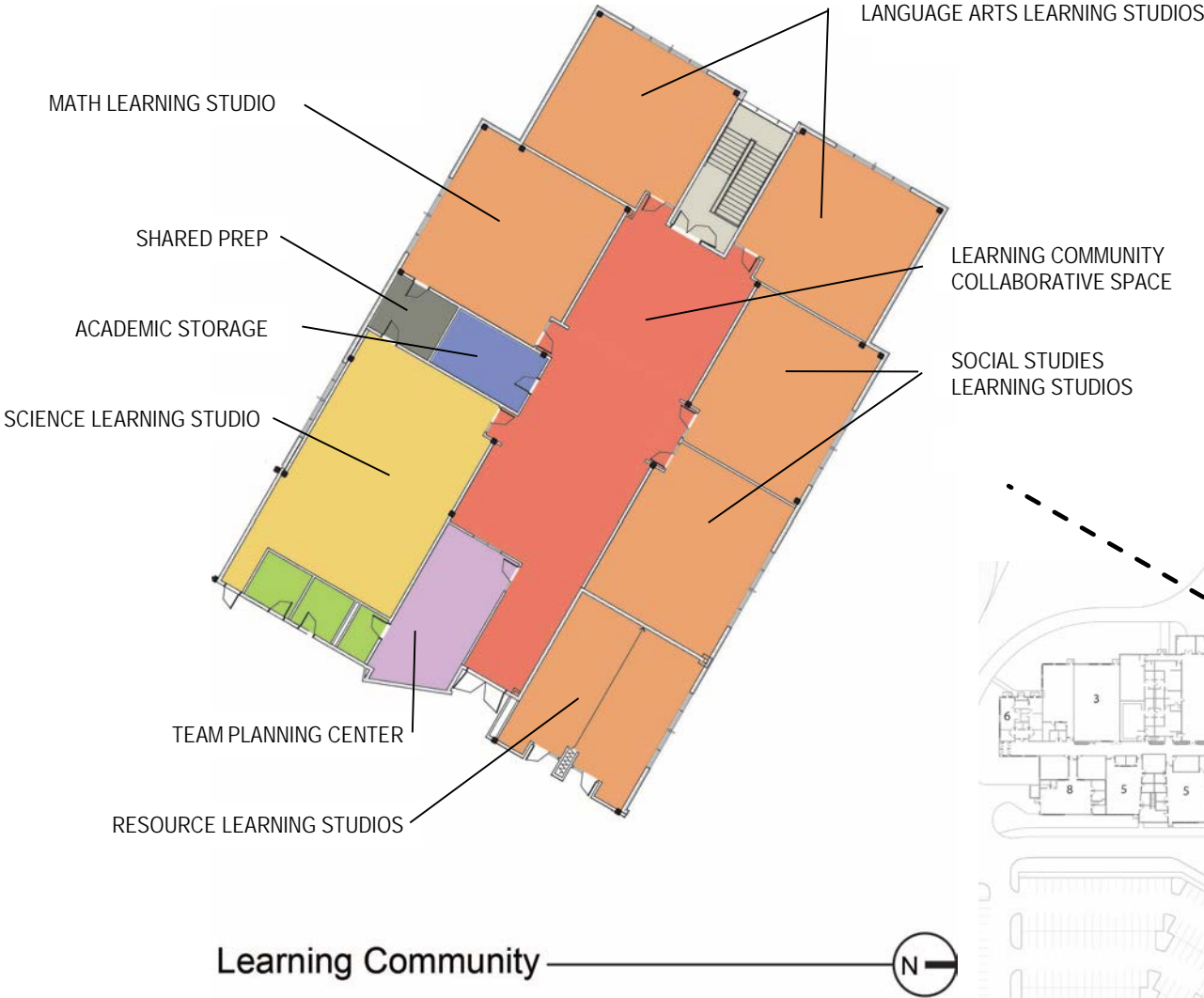
The building's common spaces link the learning communities together and extend to outdoor areas in order to maximize opportunities for social engagement and spontaneous learning.

Learning Environment



The school provides opportunities for students to grow academically, socially, emotionally and explore their passions in order to help shape their identity. This student-centered learning environment includes six educational learning communities that are the foundation for the student's day.

Learning Environment



Learning Environment



From the home base of their learning community, student interaction expands through experiencing opportunities within centrally located media, creative, physical, and technical education areas in the building.

Learning Environment



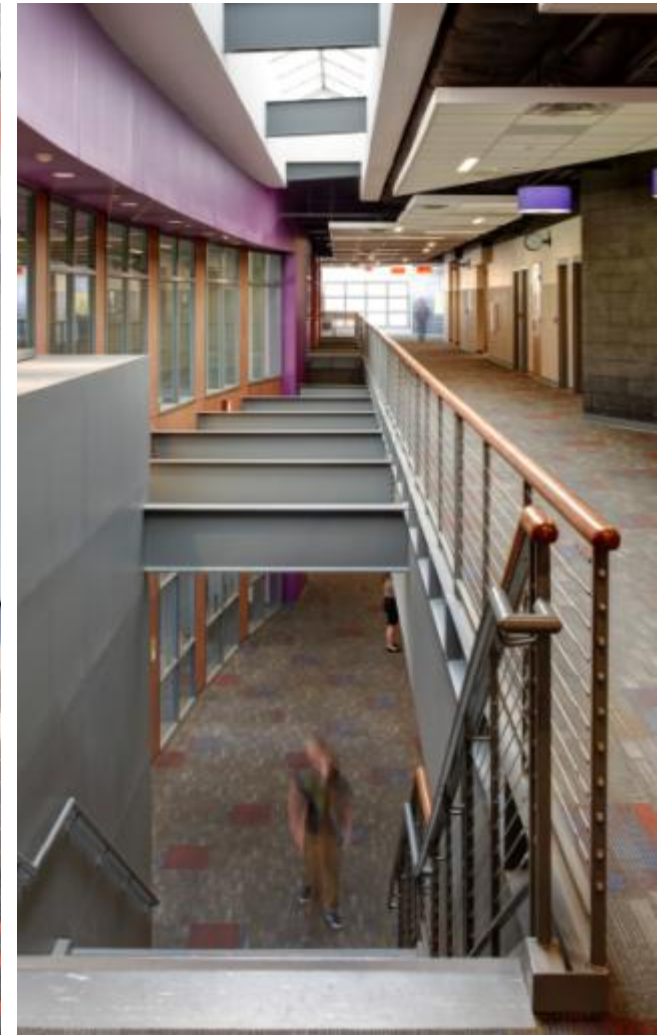
Timberline creates smaller learning communities within the context of the larger facility to give students a better opportunity to connect. Each of these communities then deliver a cross-curricular approach to the student's education within a close-knit, team-teaching environment.

Learning Environment



Giving students the freedom to connect to their own learning experiences, these environments use flexible and movable furniture in non-traditional arrangements to allow reconfiguration on the fly.

Physical Environment



The building's finishes and color palette combine in an effort to create a calming and quiet learning environment while supporting way-finding and community connectedness. Each learning community is color coded and reflected in the finishes as well as the accent lighting.

Physical Environment



Common spaces and learning environments use ample natural daylighting to enhance the experience for both students and staff.

Physical Environment



Collaborative learning areas and flexible furnishings throughout the building support opportunities for differentiated instruction and research-based learning in order to encourage students to take ownership of their educational experience.

Planning Process



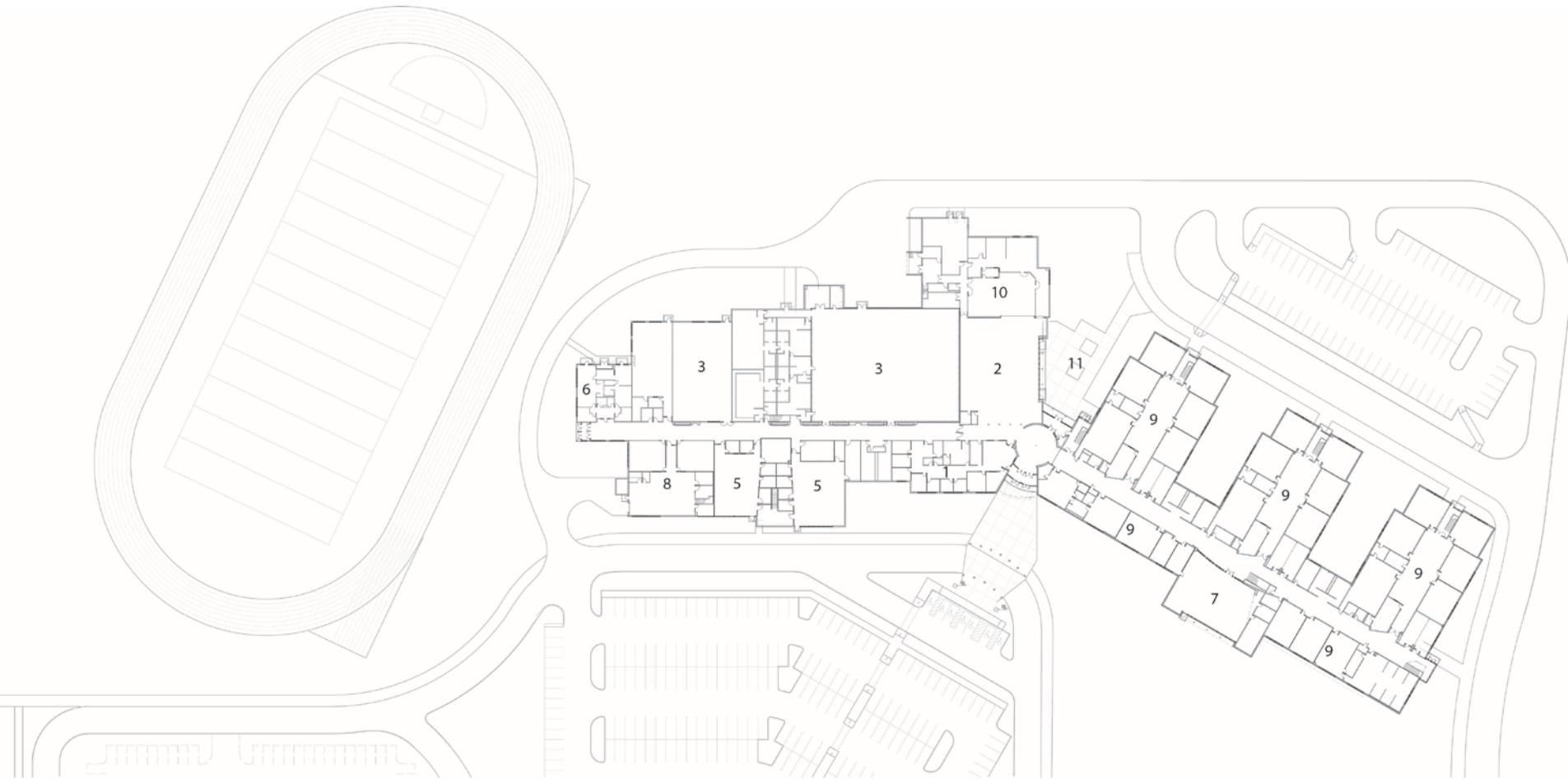
Timberline School's inception was originally set in motion by a 2007 District organized community committee. As Iowa's fastest growing school district, planning for a student population that has tripled in size from 2002 to now, has been a challenge. That original committee set forth goals for the District to adhere to when planning for the future:

1. We will maximize academic, co-curricular and extra curricular activities while optimizing resources.
2. We believe smaller student populations promote a safe, secure and supportive environment, and therefore recommend facilities for grades 6-9 not exceed 1,000 students.
3. We support developmentally appropriate smaller learning communities organized around teaming structures within the same building.

Under these guiding principles, a second District organized planning committee in 2010 made the recommendation that the District create a grade configuration that allowed for the new construction and reconfiguration of exiting facilities to create two 6-7 buildings and two 8-9 buildings, which will eventually allow for construction of a second 10-12 high school in the District.

With ample community support to keep class sizes smaller and allow more opportunities for students to be connected and involved, the funding referendum passed with overwhelming support.

Floor Plan - First Floor



FIRST FLOOR

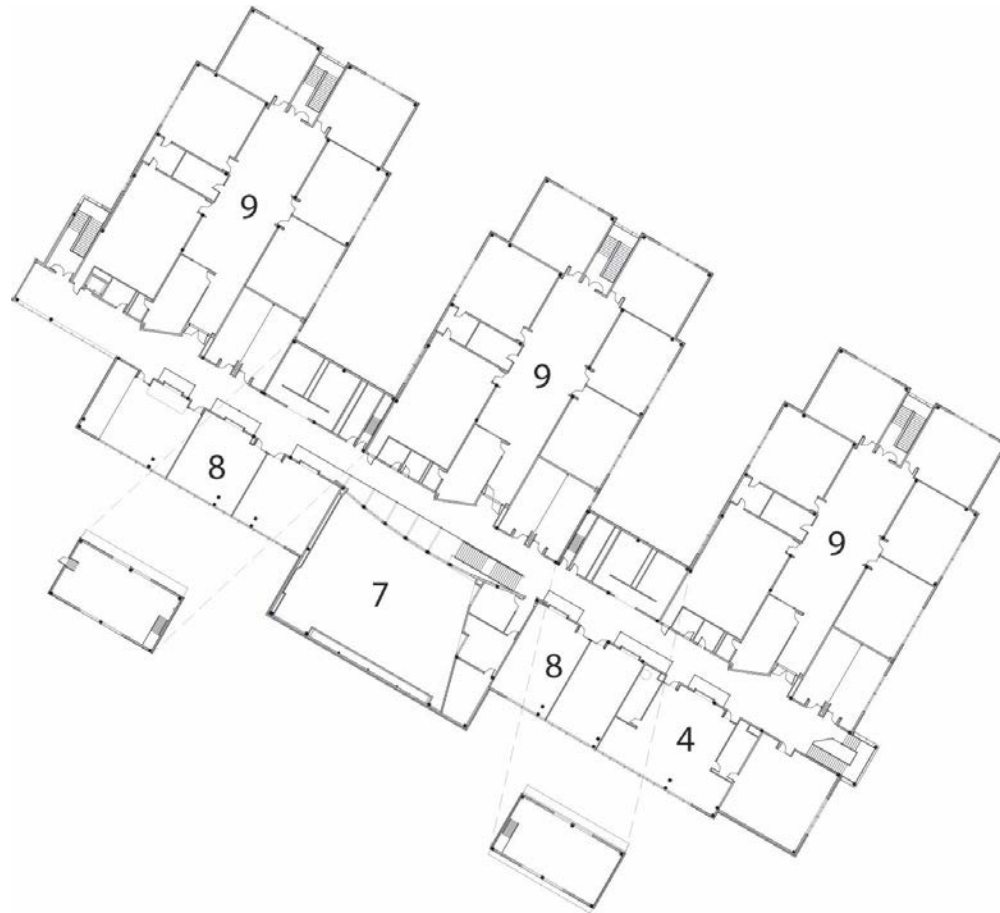
- 1. Administration
- 2. Commons
- 3. Athletics
- 4. Art
- 5. Music

- 6. Early Childhood Center
- 7. Media Center
- 8. Technology
- 9. Learning Community
- 10. Kitchen/Serving

- 11. Outdoor Learning Community



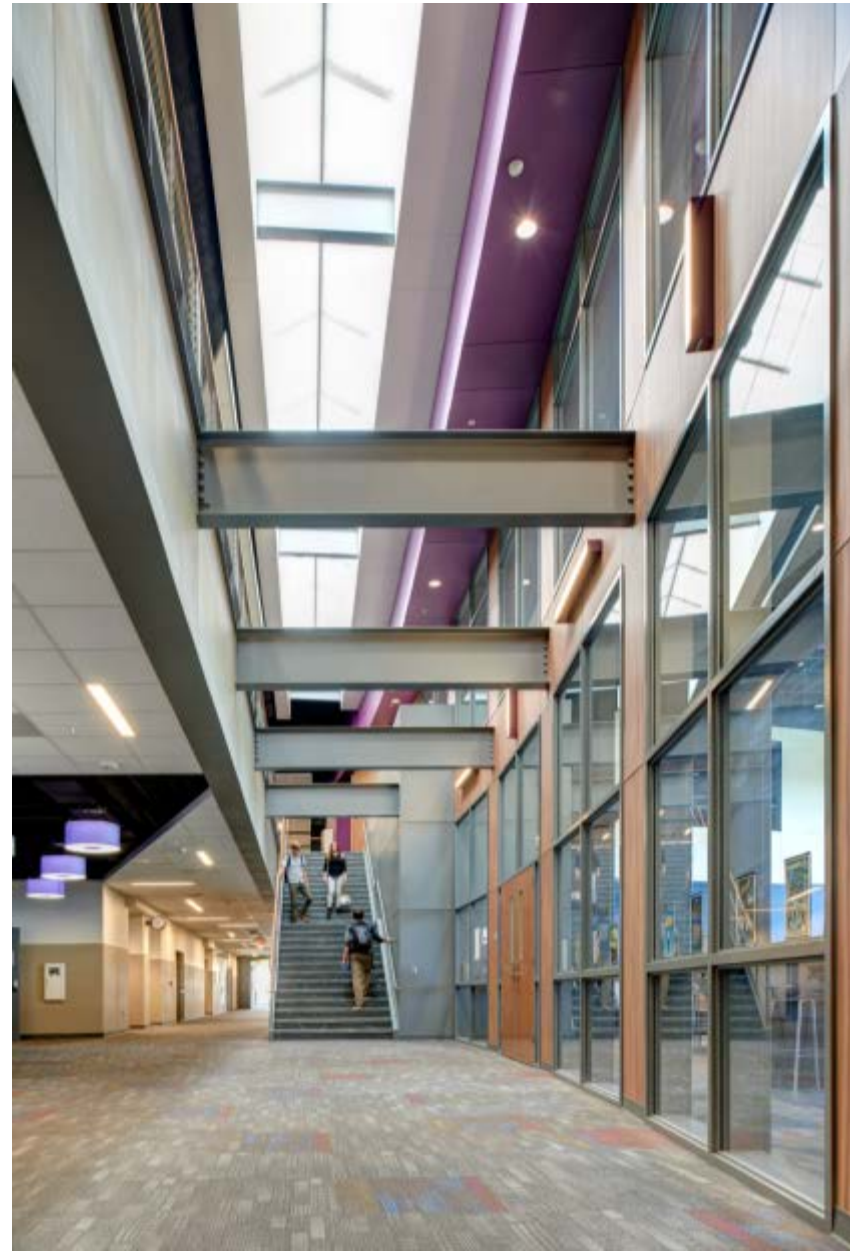
Floor Plan - Second Floor



SECOND FLOOR



- | | |
|---------------------------|--------------------------------|
| 1. Administration | 7. Media Center |
| 2. Commons | 8. Technology |
| 3. Athletics | 9. Learning Community |
| 4. Art | 10. Kitchen/Serving |
| 5. Music | 11. Outdoor Learning Community |
| 6. Early Childhood Center | |



Exhibition of School Planning and Architecture - Project Data

Submitting Firm :	frk architects + engineers
Project Role	Planner, Architect, Structural Engineer
Project Contact	David Briden, AIA
Title	President
Address	2600 Westown Parkway, Suite 340
City, State or Province, Country	West Des Moines, Iowa 50266
Phone	515-223-5100

Joint Partner Firm:	
Project Role	
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Other Firm:	Farris Engineering
Project Role	Mechanical & Electrical Engineering
Project Contact	Don Foster, PE, LEED AP
Title	Vice President
Address	12700 West Dodge Road
City, State or Province, Country	Omaha, Nebraska 68154
Phone	402-330-5900

Construction Firm:	Rochon Corporation
Project Role	General Contractor
Project Contact	Matt Stence
Title	Vice President
Address	3401 - 106th Circle
City, State or Province, Country	Urbandale, Iowa 50322
Phone	515-278-9446

Exhibition of School Planning and Architecture - Project Details

Project Name	Timberline School
City	Waukee
State	Iowa
District Name	Waukee Community School District
Supt/President	Dr. David Wilkerson
Occupancy Date	August 2015
Grades Housed	8-9
Capacity(Students)	1,000
Site Size (acres)	48 (Including Shared Athletic Fields)
Gross Area (sq. ft.)	187,375
Per Occupant(pupil)	187 SF/Student
gross/net please indicate	187,375 / 158,850
Design and Build?	
If yes, Total Cost:	
Includes:	
If no,	
Site Development:	\$ 3,128,753
Building Construction:	\$ 22,028,050
Fixed Equipment:	\$ 1,745,000
Other:	\$ 1,660,000
Total:	\$ 28,651,803