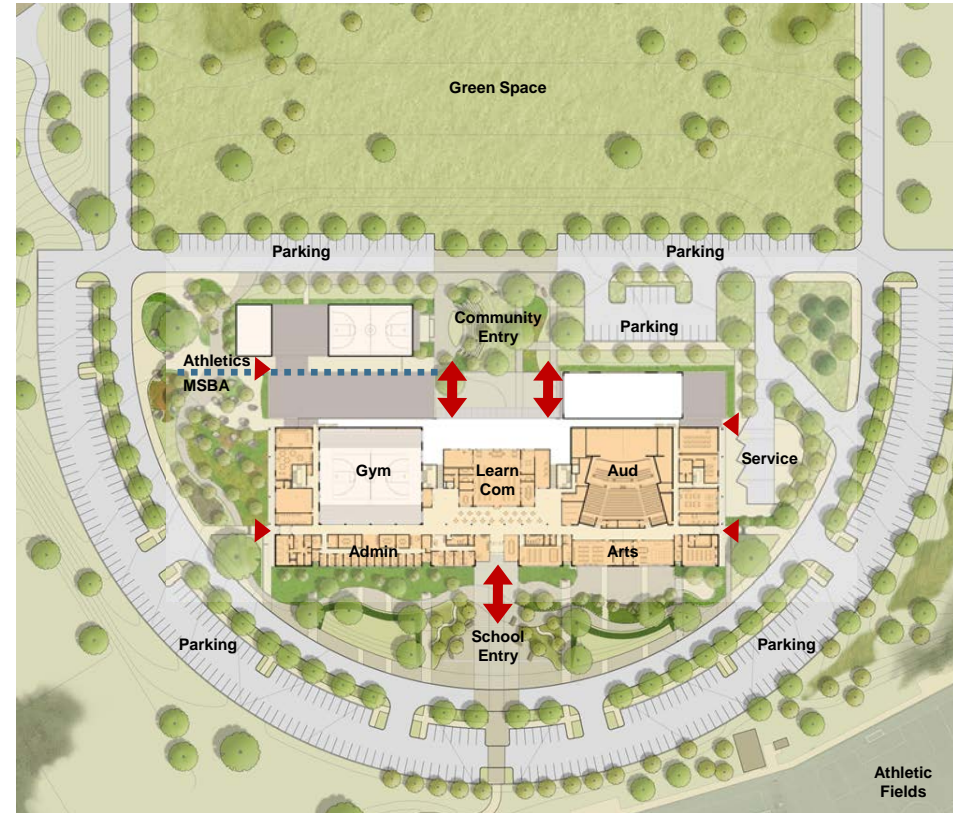


Overall Design Vision: The design concept has consistently remained intact.

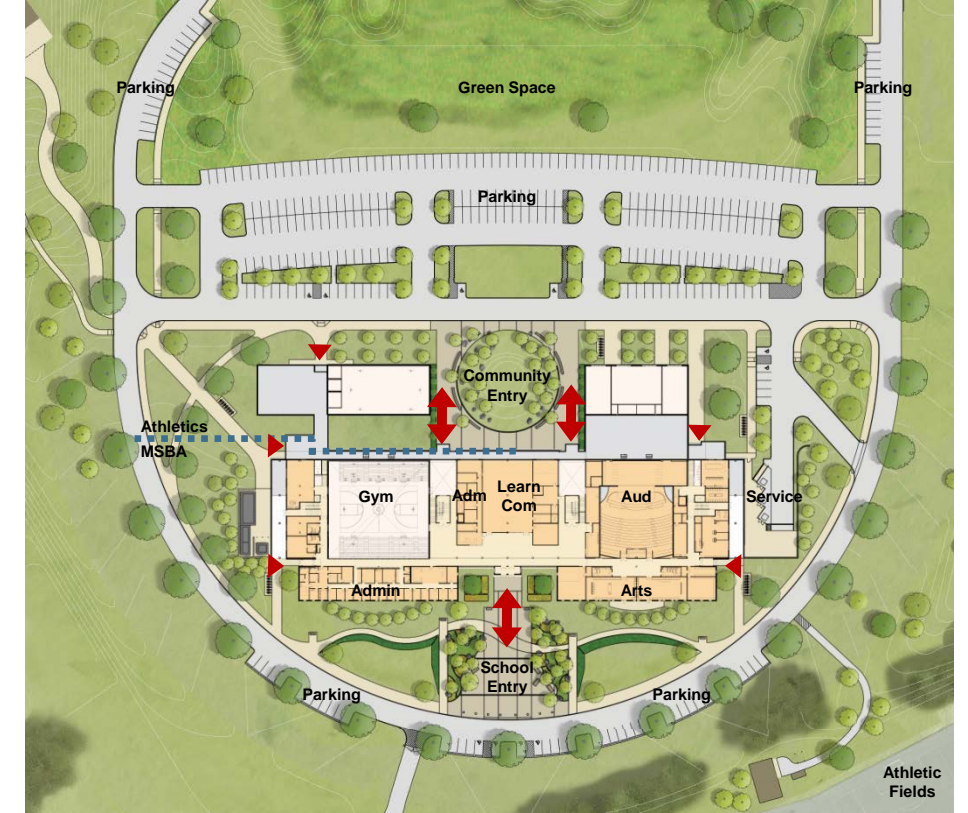
FEASIBILITY STUDY



MSBA SCHEMATIC DESIGN SUBMISSION



JUNE DD ESTIMATE



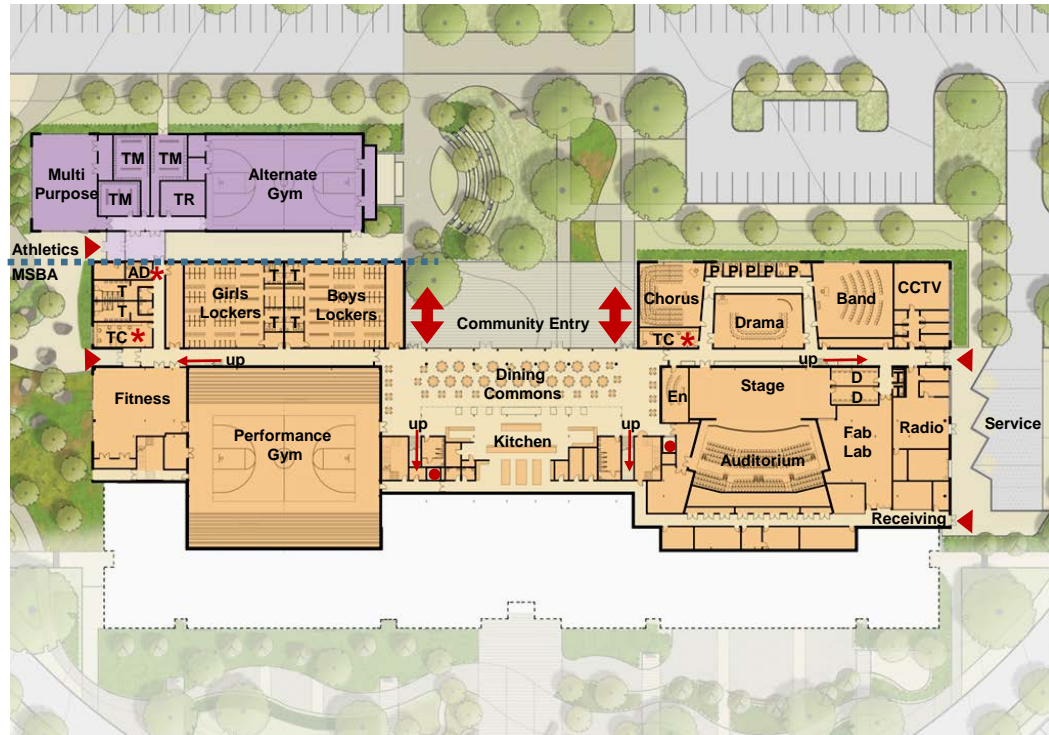
- The site access, orientation, building entries, and service access are as originally envisioned.
- The building remains 4 stories with the lower level set into the north facing slope.
- All departments are in the same original locations with administration adjusted and maintaining similar relationship.
- The program spaces are within +/- 5% of the SD space summary (except minor deviations in a few admin and miscellaneous spaces, and PE locker rooms are low).
- The learning and dining commons remain at the heart of the building.
- The DESE spaces are on program with similar adjacencies as per the January 2012 DESE approved submission.
- The building is filled with natural light and meets the educational needs of the District.
- We are achieving at least 60 MA CHPS points and our energy model has continuously improved in performance.
- The parking distribution is revised, locating more spaces to the north than the south in order to save on construction costs and facilitate community use.
- The Base Building meets the 225,826 GSF and net to gross is at 1.46.
- Town financed Alternate Gym Building is detached and reduced in square footage to meet construction costs.
- The Project is still on schedule for students to move in by September 2015.
- Based on the Designer, OPM and Owner Team working with the CMr, we believe the June DD estimate set will meet the \$75.1M budget.



1st Floor Program: Physical Education, Dining Commons & Food Service, Performing Arts, Radio, TV, Custodial

Summary: The departments and program spaces, adjacencies, location and clustering remain essentially the same. In order to save on construction costs, we moved the fitness and health classroom to utilize an unoccupied area in the foundation more effectively. Locker rooms were pulled into the Main building to reduce perimeter wall and remain adjacent to the Gym. The District analyzed the size of the locker rooms and felt they would be more effective at a smaller size. Consequently the locker rooms and the Health and PE department overall is 6% lower than the SD program.

MSBA SCHEMATIC DESIGN SUBMISSION



Spaces in same location from SD thru the June DD Estimate:

- Main Community Entry and School Drop-Off (Parent)
- Gymnasium
- Dining Commons and Kitchen
- Auditorium and Stage
- Performing Arts Department (reconfigured)
- Radio and TV (reconfigured)
- Receiving and Custodial (reconfigured)

MARCH DD BASELINE ESTIMATE



Minor Space Movement in the March DD Estimate:

- Health Classroom moved down from floor above (requested by user)
- Band, choral, ensemble, practice rooms, and music teacher planning is in similar location but reconfigured around Drama
- Music Lab moved down from level above (requested by user)
- CCTV in similar location with different configuration
- Radio in similar location with different configuration
- Fabrication lab pulled away from auditorium for better circulation
- Dressing rooms relocated next to the drama classroom
- Back of house storage in similar location with different configuration
- In order to reduce construction costs, due to unforeseen site conditions and CMr phasing costs, four options for the Alternate Gym Building were studied and the one shown was determined to be the least costly. This solution also improved the functionality of the building.

JUNE DD ESTIMATE

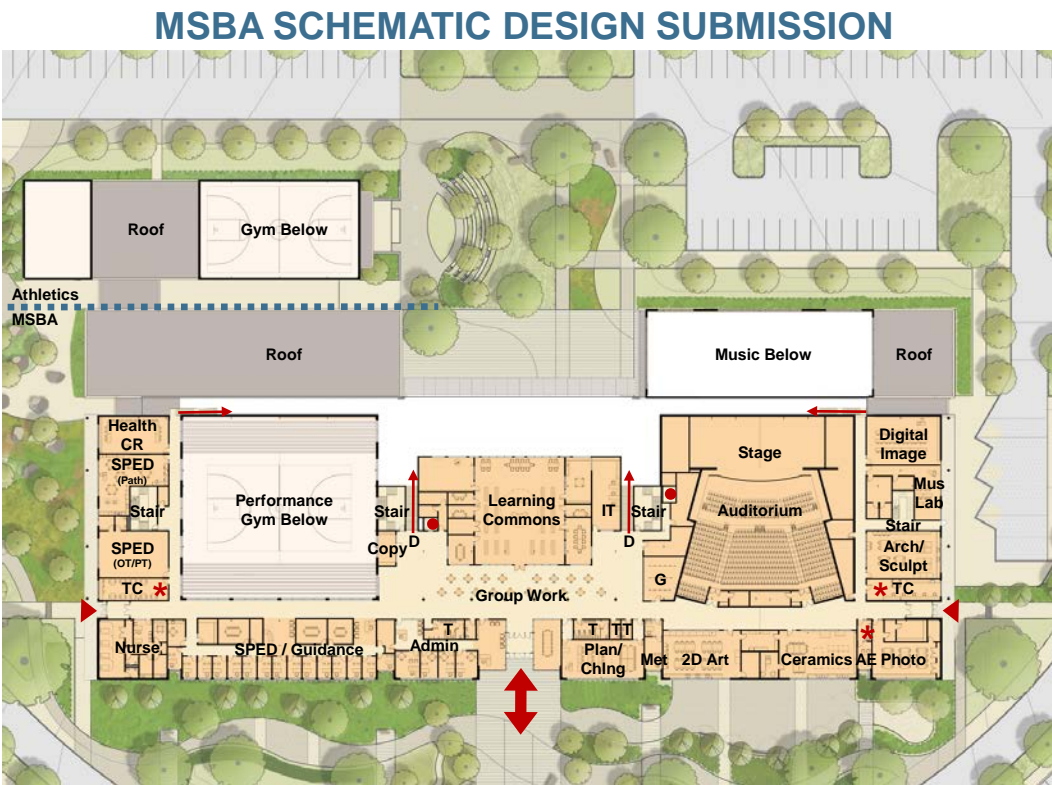


Minor Space Movement in the June DD Estimate:

- Health and Fitness moved into core of building (simplifying foundation const.)
- Locker rooms square footage reduced and moved to west side of gymnasium to minimize building footprint and perimeter walls
- Electrical and Emergency room relocated to west side of the bldg to shorten utility runs and reduce cost.
- Other Adjacencies and Program elements have remained the same, with minor reconfiguration in Department location in order to improve layout:
 - Performing Arts
 - CCTV and Radio moved slightly south to minimize building footprint
 - Dressing relocated to be adjacent to drama classroom
 - Back of house storage
- Additional restrooms needed per Assembly Use Code in PE area
- Detached alternate gymnasium similar to SD except that the additional restrooms were located here and took the place of the athletic team rooms.

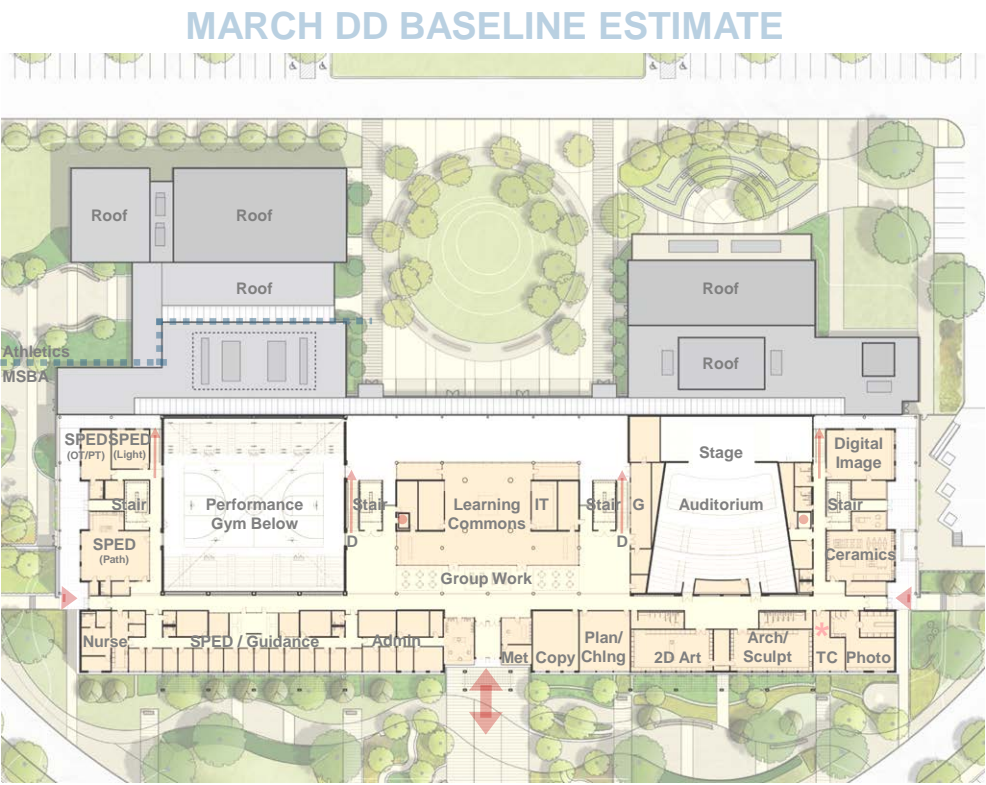
2nd Floor Program: SPED, Nurse, Guidance, Admin, Learning Commons, Visual Arts, Upper Level of Auditorium & Gym

Summary: The departments and program spaces, adjacencies, location and clustering remain essentially the same. Administration moved inboard to reduce building footprint and with the Learning Commons made more effective use of the center portion of the two story cafeteria volume.



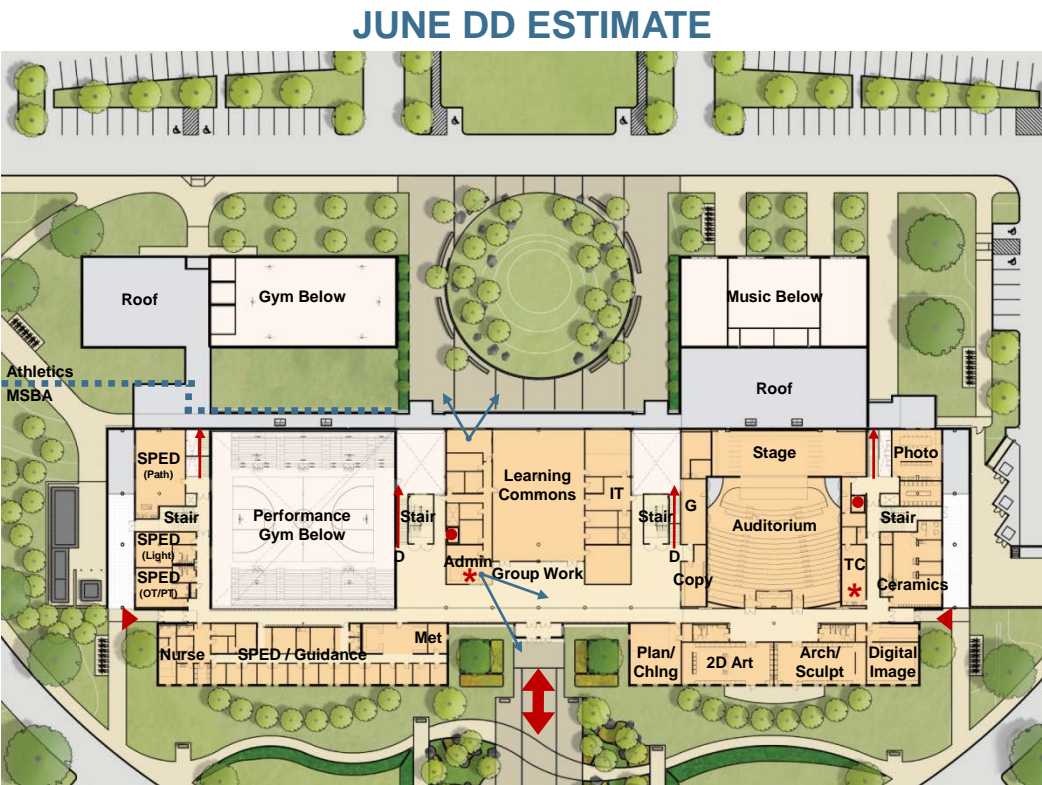
Departments in same location from SD thru June DD Estimate:

- School Drop off (Bus) and Visitor Entry
- Sped (since January 2012 DESE approval)
- Nurse
- Guidance
- Visual Arts (reconfigured)
- Network Room
- All Core Spaces



Minor Space Movement in the March DD Estimate:

- OT/PT, Lighthouse and Pathways reconfigured for performance within their cluster (per January DESE approval)
- Learning Commons was reconfigured to meet users future needs
- Metco offices moved to the east side of entry
- Teacher copy center relocated to south side of bldg
- Challenge classroom reconfigured but in similar location
- Art Gallery reconfigured along west side of Auditorium
- Ceramics Classroom switched location with Architecture/Sculpture to be adjacent to 2D Art



Minor Space Movement in the June DD Estimate:

- Adjacencies and Program elements have remained the same, with minor reconfiguration in Department location in order to improve layout:
 - OT/PT, Lighthouse and Pathways reconfigured within their cluster.
 - Visual Arts
 - Teacher Copy Center
- Administration relocated to core of building adjacent to Learning Commons, infilling the center portion of the two story cafeteria space and minimizing the building footprint.
- Main office maintains visual control of entry
- Learning commons reconfigured and extends to north window wall gaining more natural light
- METCO offices moved to the west side of entry



3rd Floor Program: SPED & Humanities (Social Studies, English, Foreign Language)

Summary: The departments and program spaces, adjacencies, location and clustering remain essentially the same.

MSBA SCHEMATIC DESIGN SUBMISSION



Spaces in same location from SD thru June DD Estimate:

- Sped Resource Room (since January 2012 DESE approval)
- Learning Centers (since January 2012 DESE approval)
- Teacher Planning Centers remain in core
- The English, Foreign Language and Social Studies Classrooms are located in clusters around their central teaching centers
- Flexible interdisciplinary classroom and teacher center use remains intact.

MARCH DD BASELINE ESTIMATE



Minor Space Movement in the March DD Estimate:

- Learning Centers adjusted per January 2012 DESE approval.
- Language Lab shifted one classroom to the east
- Large Group Seminar moved slightly to the west making it more central and flexible to the humanities floor
- Second small group seminar moved from the core to the north side of the building next to the fly space
- Teacher planning centers made more equal and divided into 3 spaces (teacher planning room with workstations, teacher conference room with kitchenette, and a small office for private phone calls and meetings)
- Outdoor classroom terraces added to the east and west side of the building

JUNE DD ESTIMATE



Minor Space Movement in the June DD Estimate:

- East and west end classrooms reconfigured to be more efficient, reduce corridors and minimize building perimeter
- Deleted outdoor classroom terraces on the east and west side of the building (not in the SD submission or program)
- Toilet rooms and utility closets rearranged to be more efficient and cost effective for constructability of plumbing runs.
- Reconfigured stairs on east and west side of the building to be more cost effective in layout.



4th Floor Program: SPED & STEM (Science, Technology, Engineering, Math)

Summary: The departments and program spaces, adjacencies, location and clustering remain essentially the same.

MSBA SCHEMATIC DESIGN SUBMISSION



Spaces in same location from SD thru June DD Estimate:

- Alternative Program (SPED) since January 2012 DESE approval
- Learning Centers (since January 2012 DESE approval)
- Math Classrooms and Science Lab layout as per January 2012 DESE approval
- Teacher Planning Centers remain in core
- Flexible interdisciplinary classroom and teacher center use remains intact

MARCH DD BASELINE ESTIMATE



Minor Space Movement in the March DD Estimate:

- Alternative Program (SPED) adjusted per January 2012 DESE approval
- Learning Centers adjusted per January 2012 DESE approval including the addition of one Learning Center.
- Math classrooms shifted to center of floor for a more integrated STEM program, prior to the January 2012 DESE submission. Also allows for better 21st century interdisciplinary teaching opportunities.
- Robotics classroom reduced in size due to increased size of adjacent mechanical spaces and need for dedicated storage
- Prep rooms slightly relocated but remain adjacent to dedicated science labs
- Teacher planning centers made more equal and divided into 3 spaces (teacher planning room with workstations, teacher conference room with kitchenette, and a small office for private phone calls and meetings)

JUNE DD ESTIMATE



Minor Space Movement in the June DD Estimate:

- East and west end classrooms reconfigured to be more efficient, reduce corridors and minimize building perimeter
- Prep rooms slightly relocated but remain adjacent to dedicated science labs
- Toilet rooms and utility closets rearranged to be more efficient and cost effective for constructability of plumbing runs.
- Reconfigured stairs on east and west side of the bldg to be more cost effective in layout.

