This complex will be developed as a walkable neighborhood learning center, engaging parents and inspiring students. Student centered learning environments have been designed to support, hands-on learning, teamwork, critical-thinking and problem-solving skills.

LOGAN MEMORIAL EDUCATIONAL COMPLEX

2018 LE Solutions
Category: Design Concept
San Diego Unified School District
San Diego County, California
LOGAN MEMORIAL EDUCATIONAL COMPLEX

CONCEPT
The proposed Logan Memorial Educational Complex, TK-12 grades, rebuilds the existing K-8 campus and adds a new high school component that this neighborhood has been missing. The three existing Memorial buildings to remain, will be re-clad, fully renovated and re-planned. The building forms are simple, bold and influenced by Mexican modernism. Resulting in architecture that fits the neighborhood and builds on the rich cultural history of the area.

PROJECT GOALS
• Quality schools in every neighborhood.
• TK-12 grade level configuration
• Academic program alignment
• Career Pathways
• Student Safety
• Community use and access
• Keep the school operational during construction
• Reuse select existing buildings

Client: San Diego Unified School District  
Location: San Diego, CA

Project Data
Completion Date: July 2022
Construction Costs: $110,000,000
Building Area: 236,000 SF
Site Area: 19.8 Acres
Enrollment Capacity: 1905 Students
Site Planning

Summary: The participants of the master plan meetings reviewed and provided comments on the site zoning concepts to the right. Comments were incorporated into the resulting site plan are below.

**COMMUNITY COMMENTS OPTION 1**
- Create separation between 7-8 and 9-12 grade levels.
- Locate 7-8 grade classrooms in a separate building.
- Fields should be highly visible from the street.
- Gym adjacency to existing rec center for joint use.

**COMMUNITY COMMENTS OPTION 2**
- Switch the location of the 9-12 grade and 7-8 grade.
- 9-12 programs should be in the existing Memorial buildings.
- Fields to be open and accessible to the park.
- TK-5 should get a larger area.
- Concern over the TK-5 being so close to a busy intersection/street.
- Move the large parking lot closer to the south side.
This complex creates a walkable neighborhood center with easy accessible and securable joint use spaces. Each campus is developed as neighborhood learning centers, engaging parents and community volunteers in the educational process. The school will continue to serve as a community center to the neighborhood. Spaces and programs that support this connection include:

### Community Room
The community room will support parent involvement, but it will also be a center various programs and activities that will be offered to the community through the School District.

### Wellness Center
The Wellness Center is a family resource center, where coordinated district and community support services are accessible and customized to fit the needs of the neighborhood in which it is located. Services can vary from social work, workforce solutions, legal aid, tutoring, food pantry, housing aid and parent and adult education.

### Health Center and Clinic
The clinic facility includes exam rooms and offers well child care and pediatric and adolescent medicine. It is staffed with a physician and or nurse practitioners. The clinic is linked closely to community agencies and the school.

### Joint use of selected facilities and events after school hours.
The fields, gym, theater and multipurpose spaces have been located along the exterior of the campus to provide direct public access and use. Allowing for the campuses to be secured during after hour use.

**Site Planning**

1. Administration
2. Learning Commons
3. Classrooms
4. Multi Purpose Room
5. Gym / Pavilion
6. Food Services
7. Outdoor Dining
8. Parking
9. Mixed use Fields
10. Track & Field
11. Hard Courts
12. Main Entry
13. Bus Drop-Off
14. Kindergarten Playground
15. Existing Community Library
16. Repurpose Existing Building - CTE Classrooms
17. Repurpose Existing Building - Theater
18. Repurpose Existing Building - MPR/Food Services
19. Community Center/Park
20. Service Yard
21. Community Room
22. Health Clinic
23. Wellness Center

**Community Use Concept**

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**SCOPE OF WORK & BUDGET**
1. Administration
2. Learning Commons
3. Classrooms/Collaboration
4. Multi Purpose Room
5. Gym / Pavilion / Locker Room
6. Food Services
7. Kindergarten Playground
8. Main Entry
9. Repurpose Existing Building - CTE Classrooms
10. Repurpose Existing Building - Theater
11. Repurpose Existing Building - MPR/Food Services
12. Outdoor CTE work yard
Logan Heights is one of the oldest and most culturally-rich urban neighborhoods in San Diego. The area was predominantly residential by the start of the 20th century with access to the beach and San Diego Bay. Its development began in 1910 with the influx of refugees of the Mexican Revolution, who soon became the majority ethnic group through its growth. Beginning its decline, during World War II the beach and bay access was lost due to the expansion of U.S. Navy and defense industries.

The neighborhood continued to degrade during the 50s and 60s due to rezoning that allowed industrial uses including ship building and maritime uses. The construction of interstate 5 through the heart of the community and the construction of the Coronado Bridge covered much of the community with a concrete roof. After years of decline and the community not having a voice, the site under the Coronado Bridge was reclaimed for park use creating what would later be known as Chicano Park. Local artists covered the bridge pillars with murals and parkland was eventually extended all the way to the bay, restoring beach and bay access for the community.

The area continues to gentrify and the neighborhood is becoming a hotspot for art and authentic local culture. The Logan Heights community is a living example of the change and evolution that have continuously shaped the area’s cultural heritage, development patterns, economic opportunities, and social fabric.
Process

The planning process was a collaborative community-based symposium that produced a long range site development plan that supports the academic, social and emotional needs of the students living in Logan Heights. It consisted of a series of 7 public meetings that brought together teachers, students, administrators and the community.

ENGAGE ED SPEC GOALS

The goal is to develop a world-class school system for all of their students between now and 2020. To support this transformation, the District updated education specifications to align with the Vision 2020 plan.

LISTEN SYMPOSIUM

Starting with protest and ending with a master plan and applause, the first master plan meeting opened with protest signs and news crews. The neighborhood K-8 school was rumored to be closing. The existing school had a great sense of community in the neighborhood, and this was intended to be preserved in the master plan. With the process being open and transparent, the resulting master plan was able to incorporate this component into the master plan while balancing the 7-12 campus needs.

DESIGN EXECUTIVE COMMITTEE

The symposium participants, including many who live in the neighborhood, reviewed existing site conditions, adjacent land uses, traffic patterns, projected enrollments, budget, schedule and District standards. After understanding the site and defining the educational opportunities, the group worked together to come up with site zoning schemes that best fit the community and responded directly to the site and campus educational goals and needs.

CONFIRM SUBJECT MATTER EXPERTS (SME)

The design was ultimately influenced by the community, resulting in a TK-12 complex. The design team further developed the resulting scheme and program and continued to review with the stakeholder group to ensure that the vision had properly been translated into the design.

Confirm SME:

- The design was ultimately influenced by the community, resulting in a TK-12 complex. The design team further developed the resulting scheme and program and continued to review with the stakeholder group to ensure that the vision had properly been translated into the design.

- Kick Off Meeting: Community Protest
- Master Plan Session: District Visioning
- Master Plan Session: Project Review
- Design Task Force: Concept rendering

SCHOOL & COMMUNITY ENGAGEMENT
Continuous Student Relationships:
Students have an opportunity to develop long lasting relationships with the administrators and teachers from TK through 12th grade. This benefits the students as they progress through the grade levels and ultimately remain engaged as they matriculate. Grade level transitions are eased because the students are familiar and comfortable with the administration and are part of a larger community. Allowing for the administration to personalize the learning experience for the students depending on their needs.

Integrated Learning Experiences:
The district will be implementing Project Lead The Way program creating an integrated learning experience through TK-12 grades. This program starts with launch at the lower grades, transitions to the gateway program for the middle grades and ultimately ties to the high school career pathways. Career pathways in Healthcare and Engineering Design will be offered creating real world opportunities and internships for the students. Educational environments have been designed to support, hands-on learning, teamwork and communication proficiency and critical-thinking and problem-solving skills.

Student Centered Environments:
At the K-6 campus the learning commons is adjacent to maker spaces. Resulting is a vibrant student environment where students create, research, think and present. The 7-12 learning commons is adjacent the career and counseling center creating a space that supports socialization, online course work and ultimately is a place students want to be. Throughout the entire complex are maker spaces. Giving students spaces with 3D printers, laser cutters and other equipment where they can gather to design, prototype and create manufactured works.
BRANDING

The graphics and signage for the complex are integrated with the architecture and draw from the eclectic neighborhood culture and history. Creating an engaging and memorable brand for the Logan Memorial Educational Complex.
The Arts Master Plan was developed to engage the local arts community and integrate murals, sculptures and ornamental metal works into the design. Allowing for the community to provide input and to promote the local art heritage.
CTE PATHWAYS

The 9-12 campus will have two career pathways, health sciences and design engineering. These pathways resulted from the master plan meetings held with the community. Students will have access to internships through local business partners preparing them for career or college.

The existing Memorial two story building will be renovated to accommodate these programs. Roll up doors will be added from the design labs to an outdoor covered work area that can accommodate welding and construction type activities.

Bringing the two programs together at the center of this building is a large tiered collaboration space. This space can accommodate large group presentations, but can also be a hang out before and after class. It will definitely be the space to be.
PERFORMING ARTS
The existing Memorial Art building will be renovated to provide a state of the art theater and music facility. The space will accommodate 225 students and will become a treasured resource in the community.

Existing Theater

Socialization
Socialization
Socialization
PHYSICAL ENVIRONMENT

The 7-12 campus entries and activities are arranged around the campus paseo connecting the campuses and student spaces together. Creating outdoor spaces that are comfortable for students and easy to supervise.
Paseo: Campus Connections

PHYSICAL ENVIRONMENT
Student Centered Spaces

7-12 LEARNING COMMONS
The 7-12 Learning Commons replaces the traditional library. It is a blend of traditional stacks, computer stations for online learning and soft seating for informal student collaboration. This space is adjacent to the career and counseling center. Connecting students with career and college opportunities and counseling services.
WHERE EVERYONE COMES TOGETHER

Each classroom cluster is designed around small and large open collaboration rooms on each floor, and protected outdoor areas providing an extension of the teaching environment throughout the campus. Students can move comfortably between group instruction, individual research, project team activities and maker spaces both interior and exterior. Giving students options that they are most comfortable in to complete their work. Transparency in the design allows for ease of supervision as students use all portions of the site as a learning environment.
The District has re-visioned the Elementary Library as a Learning Commons, shown here, as a collaborative learning environment. Creating a space for students to socialize and to showcase their work to the campus and connect with their peers. It’s intended to be a loud and lively space.
DISTRICT AND COMMUNITY GOALS

Quality Schools in Every Neighborhood.

The project successfully re-integrates a high school campus and curriculum into the Logan Heights neighborhood where one has been lacking for many years.

Academic Program Alignment.

Having all grade levels in close proximity allows for the development of educational pathways that can be a continuous experience crossing over grade-levels and schools.

Student Safety

The Logan Heights neighborhood has seen many challenges in its storied history. A current resurgence of the neighborhood will be buoyed by the extensive investment in the community anchor that is this campus. The added student population will increase activity on and around the campus which will also benefit the City park next door by adding a more family oriented element to the park operations.
Reuse Existing Buildings

The three existing Memorial buildings on the Southern portion of the site will be completely renovated. Including seismic and system upgrades. The buildings will also be reclad to have the same architectural finishes as the new buildings. Creating a cohesive campus across the entire site.
SUSTAINABILITY:

Sustainability was a key factor in design decisions regarding the creation of learning environments and accommodating operational effectiveness and energy efficiencies. High performance attributes for the facilities will include designs and materials that promote energy and water efficiency, maximize the use of natural lighting, improve indoor air quality, utilize recycled materials and create acoustical conditions that are conducive to optimal learning environments. The project will approach net zero with over 55,000 sf of PV panels, potentially generating more energy than it consumes. Project is currently pursuing CHPS designation and is participating in the Savings by Design program offered by San Diego Gas & Electric (SDGE).