

LOGAN MEMORIAL EDUCATIONAL COMPLEX

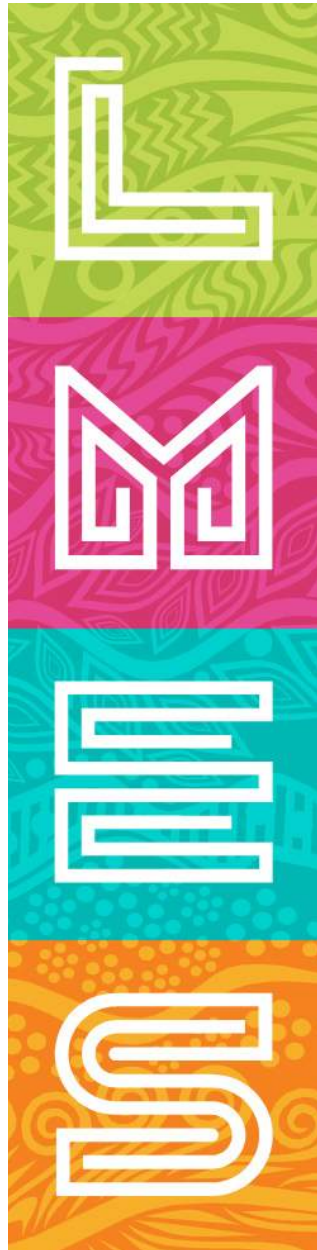
This complex will be developed as walkable neighborhood learning center, engaging parents and inspiring students. Student centered learning environments have been designed to support, hands-on learning, teamwork, critical-thinking and problem-solving skills.



2019 A4LE SoCal Chapter

Category: Design Concept
San Diego Unified School District

LOGAN MEMORIAL EDUCATIONAL COMPLEX



TK-5 Grades



6-8 Grades



9-12 Grades

CONCEPT

The proposed Logan Memorial TK-12 Educational Complex 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 existing school operational during construction

OUTCOMES

- 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 goals had properly been translated into the design.

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 TK-12

Site Planning

Summary: a collaborative work session was developed to allow the participants of the master plan meetings to review and comment on the site planning concepts. Small Groups were formed to allow each participant to participate in the drawing and layout of several schemes. Comments and concepts were incorporated into the resulting site schemes.

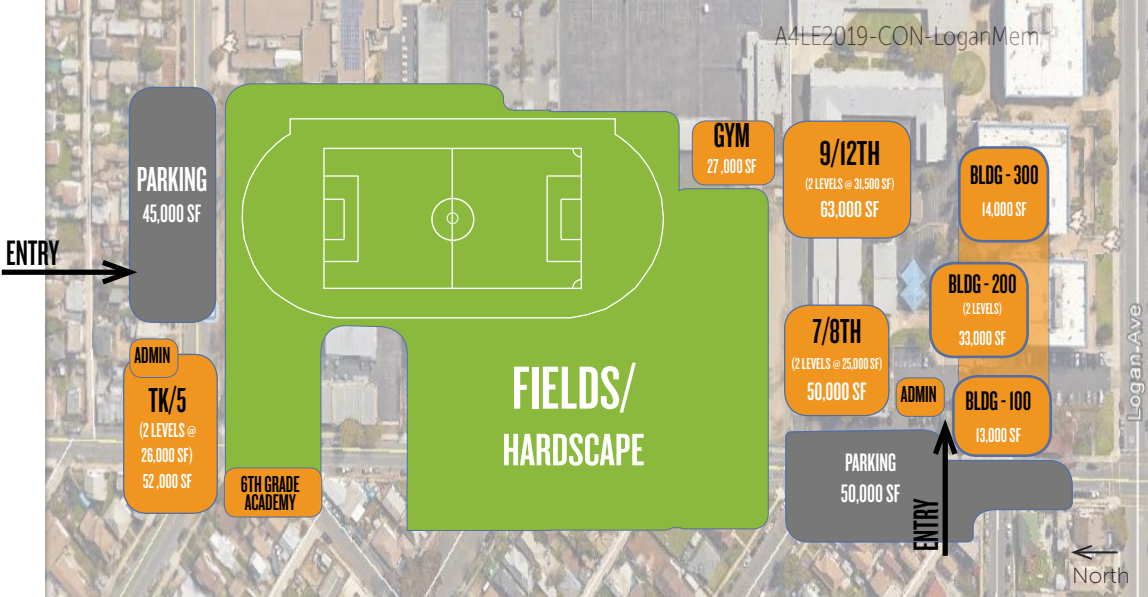


COMMUNITY COMMENTS OPTION 1

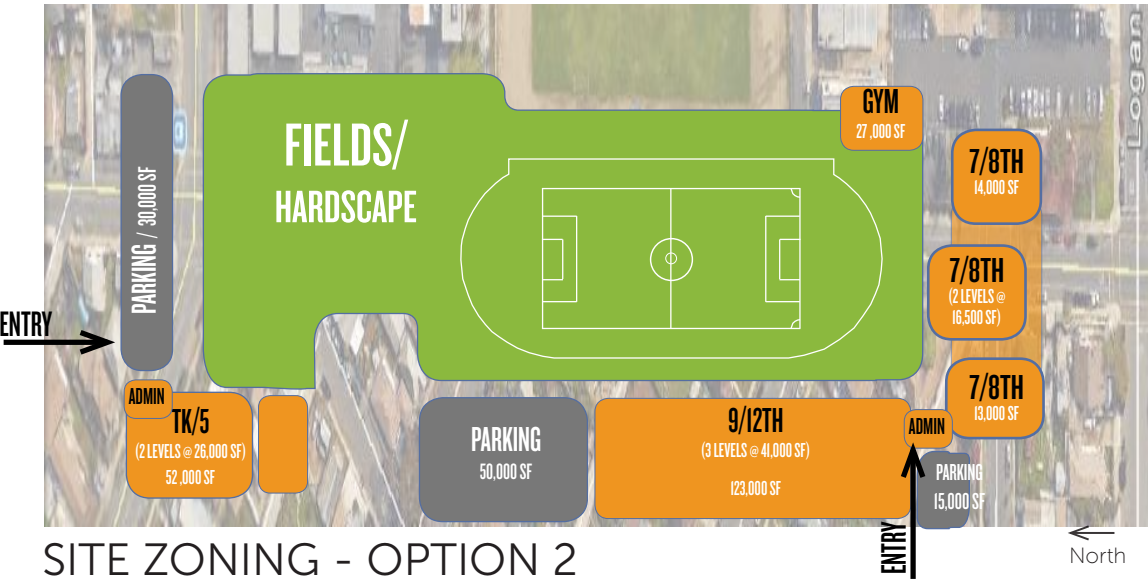
- Create separation between 7-8 and 9-12 grade levels.
- Locate 7-8 grade classrooms in a separate building.
- Fields should be highly visible from the street.
- Gym adjacency to existing rec center for joint use.

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



SITE ZONING - OPTION 1



SITE ZONING - OPTION 2

SCOPE OF WORK & BUDGET

Context & History

Logan Heights is one of the oldest and most culturally-rich urban neighborhoods in San Diego. The area was pre-dominantly residential by the start of the 20th century with access to the beach and San Diego Bay. It's 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 50's and 60's 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.



Before: Logan Memorial Campus



After: Logan Memorial Campus



Before: View at Ocean View & 28th Street



After: View at Ocean View & 28th Street



Neighborhood Art



Former City Library



Surrounding Neighborhood Context



Surrounding Neighborhood Context



Existing Memorial Campus

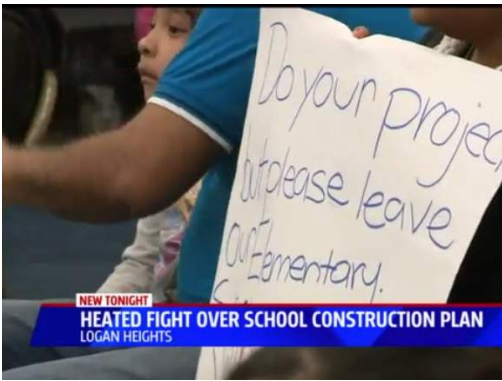


Existing City Library

Process

The design solution is a result of seven public meetings that brought together teachers, administrators, and the community.

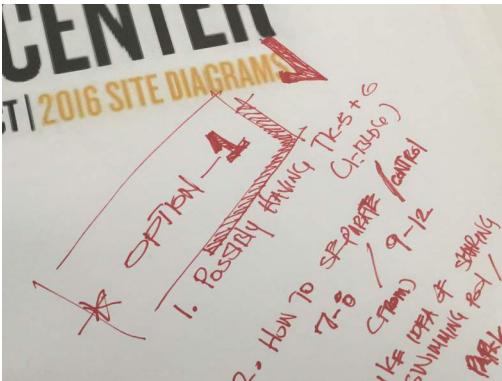
Starting with protest and ending with a master plan and applause. The first master plan meeting opened with protest signs and news crews. The neighborhood elementary school was rumored to be closing. The existing school had a great sense of pride in the neighborhood and wanted to be preserved in the master plan. With the process being open and transparent, the resulting master plan included the elementary grades while balancing the 7-12 campus needs.



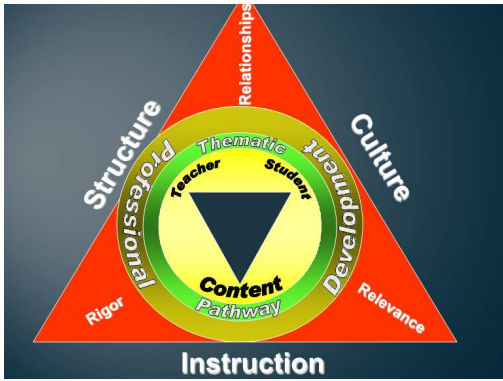
Kick Off Meeting: Community Protest



Master Plan Session: District Visioning



Master Planning: Community Input



District Instruction Concept

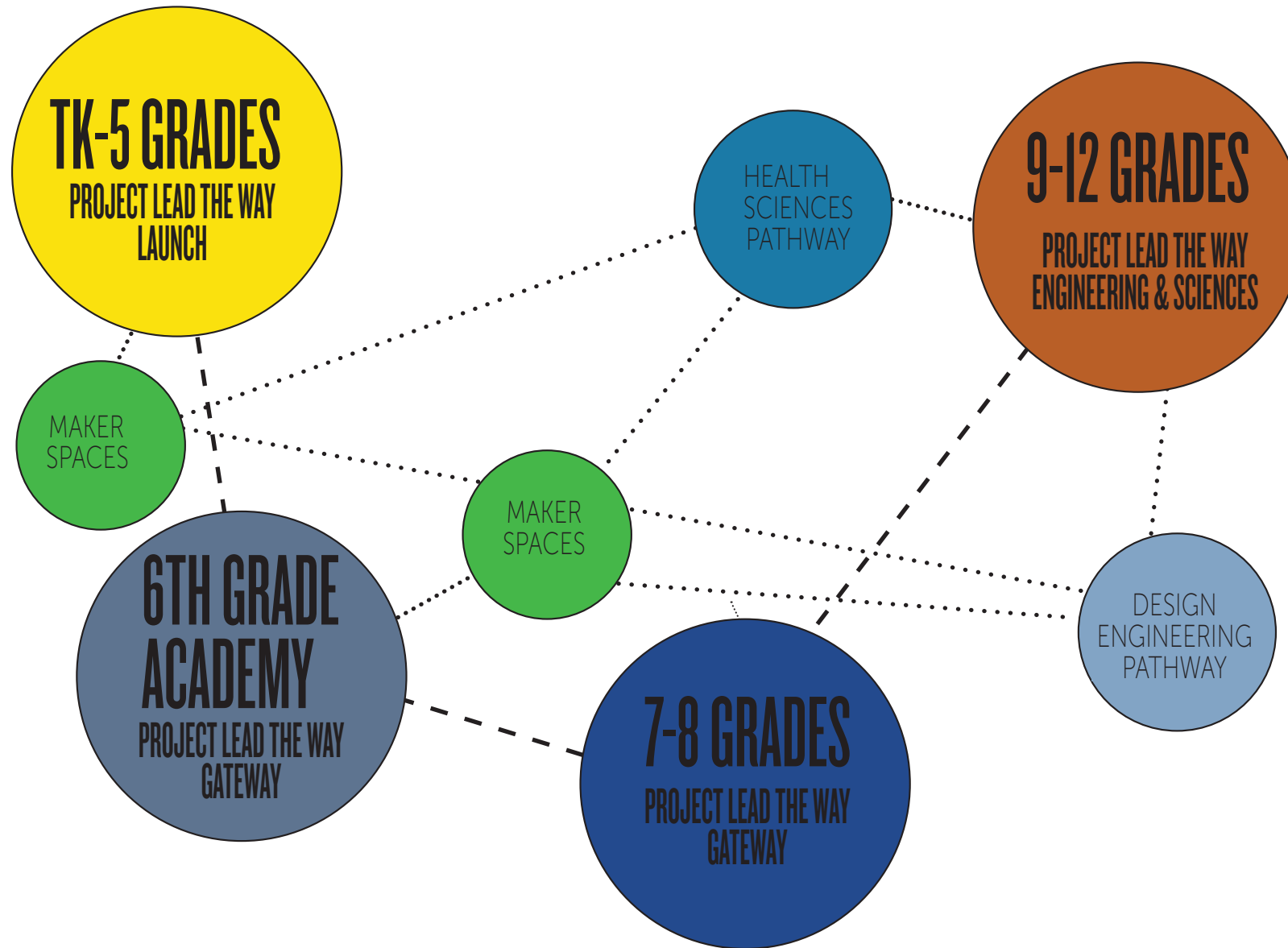


Master Plan Session: Project Review



Design Task Force: Concept rendering

Academic Concepts



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 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.

Integrated Learning Experiences:

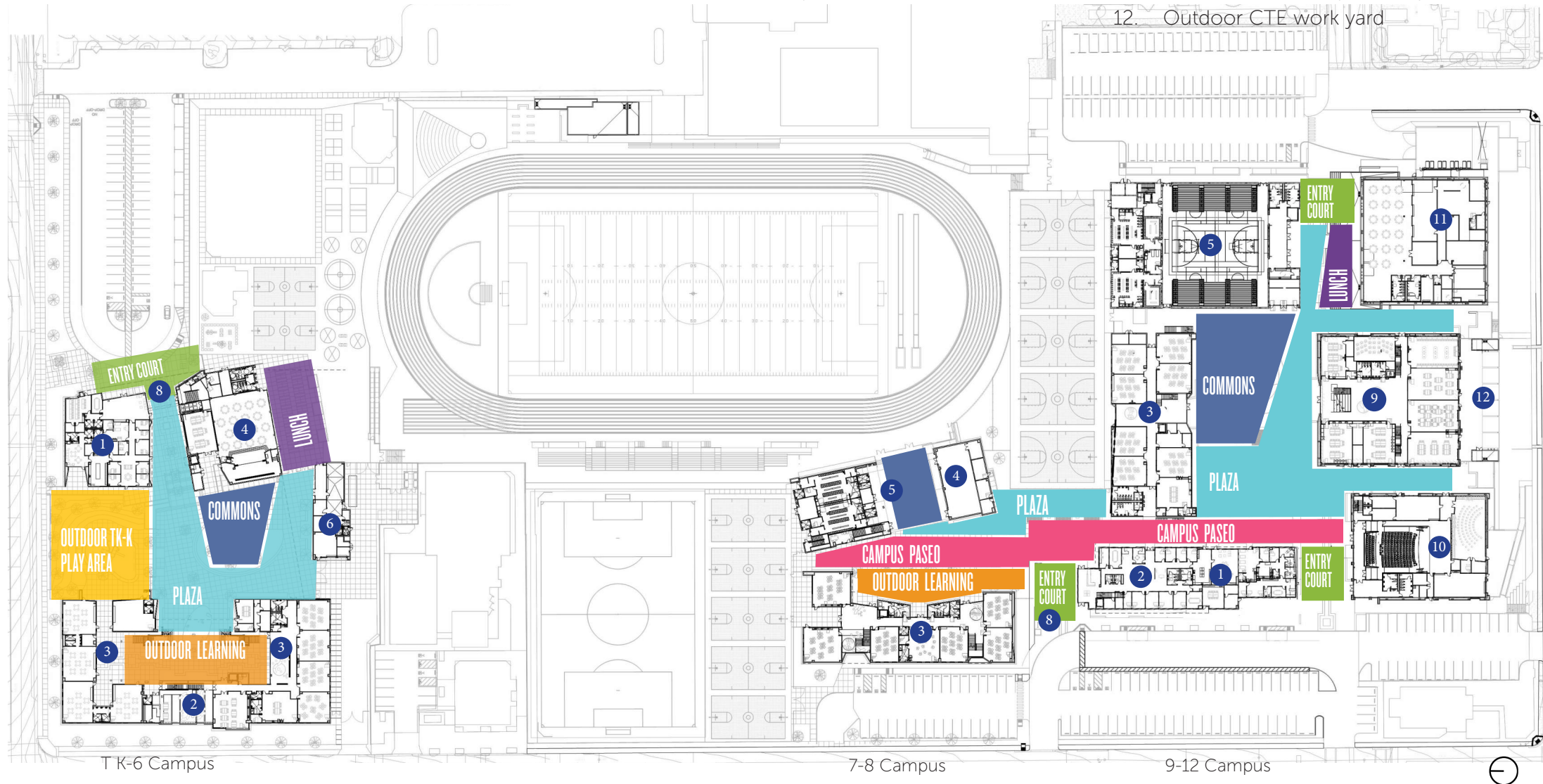
The district will be implementing Project Lead The Way program creating an integrated learning experience through TK-12 grades. This program starts with launch at the lower grades, transitions to the gateway program for the middle grades and ultimately ties to the high school career pathways. Career 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:

This complex will be a place students want to be. At the TK-6 campus, the Learning Commons is adjacent to 2 Maker Spaces, resulting in 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 and on-line course work. Throughout the entire complex are Maker Spaces. In these spaces are 3D printers, laser cutters, tools, equipment and other equipment where students can gather to design, prototype and create manufactured works.

Campus Planning

1. Administration
2. Learning Commons
3. Classrooms/Collaboration
4. Multi Purpose Room.
5. Gym / Pavilion / Locker Room
7. Kindergarten Playground
8. Main Entry
9. Re-purpose Existing Building - CTE Classrooms
10. Re-purpose Existing Building - Theater
11. Re-purpose Existing Building - MPR/Food Services
12. Outdoor CTE work yard



EDUCATIONAL ENVIRONMENT

Site Planning

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 Use	Concept
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.

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. Re-purpose Existing Building - CTE Classrooms

17. Re-purpose Existing Building - Theater

18. Re-purpose Existing Building - MPR/Food Services

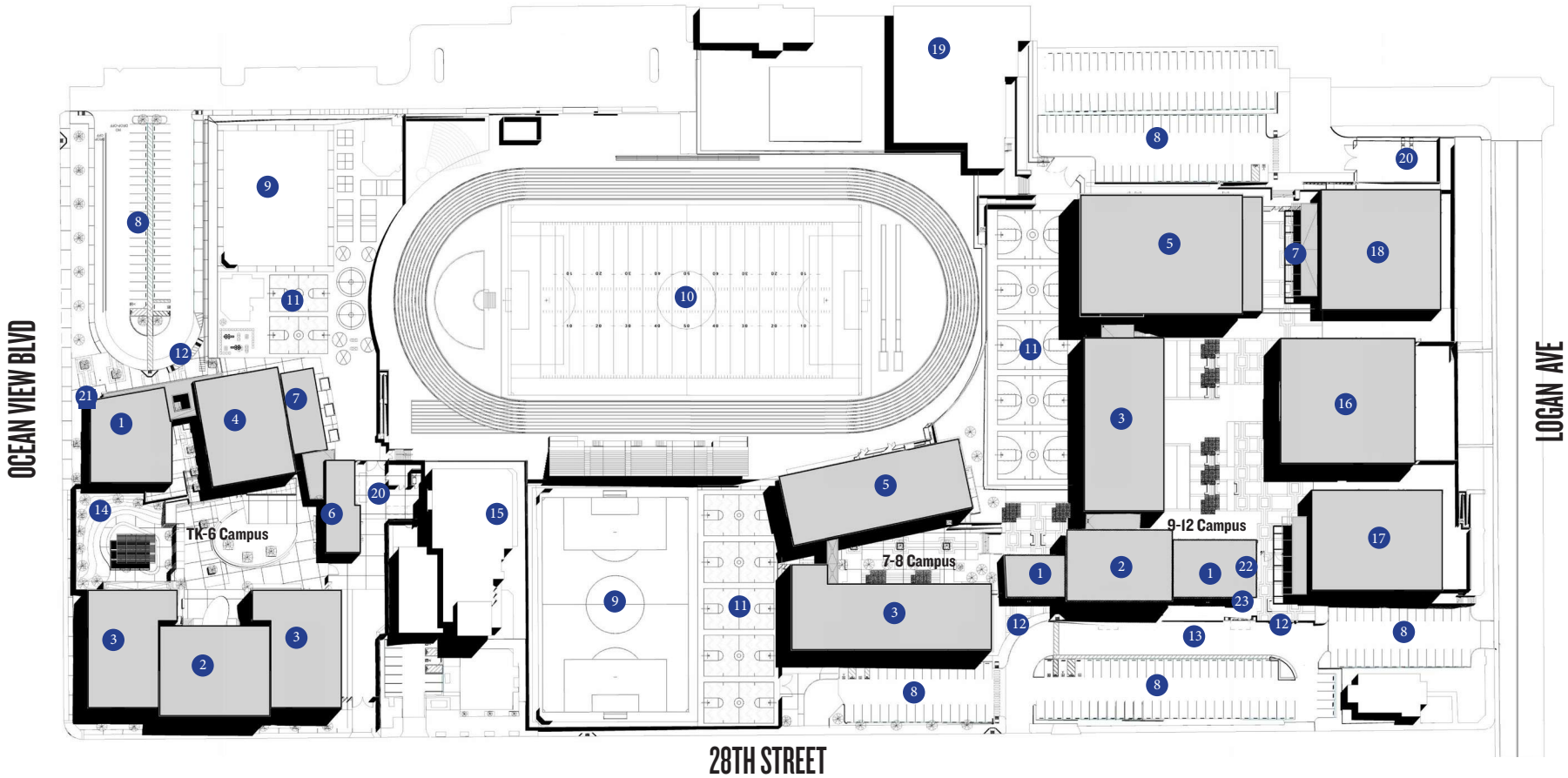
19. Community Center/Park

20. Service Yard
- On-Campus Community Use

21. Community Room

22. Health Clinic

23. Wellness Center





Monument Sign



Custom Screening

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.



EDUCATIONAL ENVIRONMENT



ART INTEGRATION

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.

Art Inspiration

EDUCATIONAL ENVIRONMENT

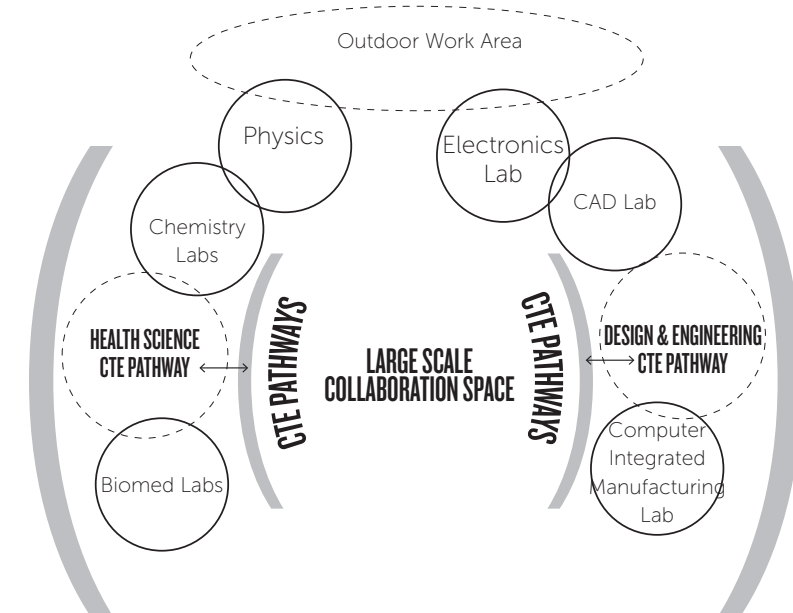


CTE PATHWAYS

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.



EDUCATIONAL ENVIRONMENT

Socialization

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



EDUCATIONAL ENVIRONMENT

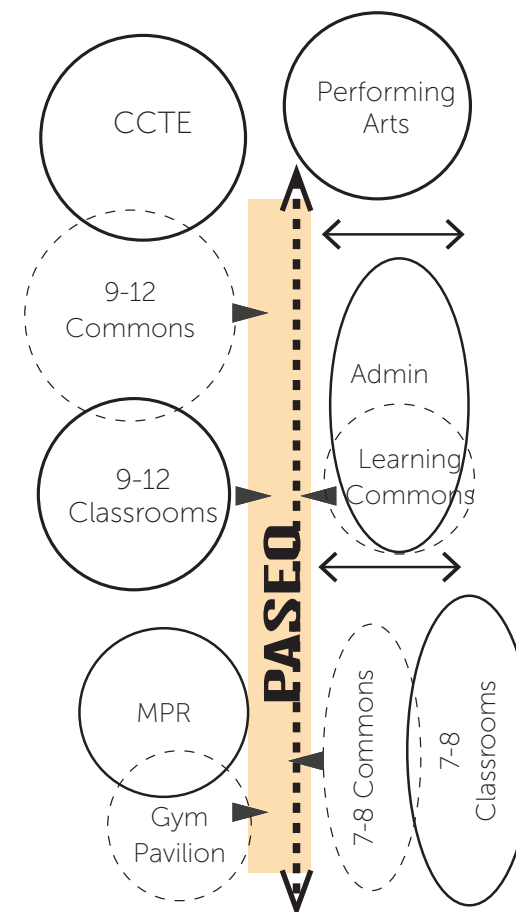
PHYSICAL ENVIRONMENT

This campus creates a walkable neighborhood center with easy accessible and securable joint use spaces. 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. An art 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 own a piece of the design and to promote the local artistic heritage.



PHYSICAL ENVIRONMENT

Paseo: Campus Connections



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.

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 the career and counseling center. Connecting students with career and or college opportunities and counseling services.



PHYSICAL ENVIRONMENT

Student Centered Spaces

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.



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).

PHYSICAL ENVIRONMENT

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.



RESULTS OF PROCESS & PROJECT



LEARNING ENVIRONMENTS

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.

RESULTS OF PROCESS & PROJECT

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 re-clad to have the same architectural finishes as the new buildings. Creating a cohesive campus across the entire site.



Existing Theater Building

RESULTS OF PROCESS & PROJECT