

Hacienda La Puente USD Facilities Master Plan

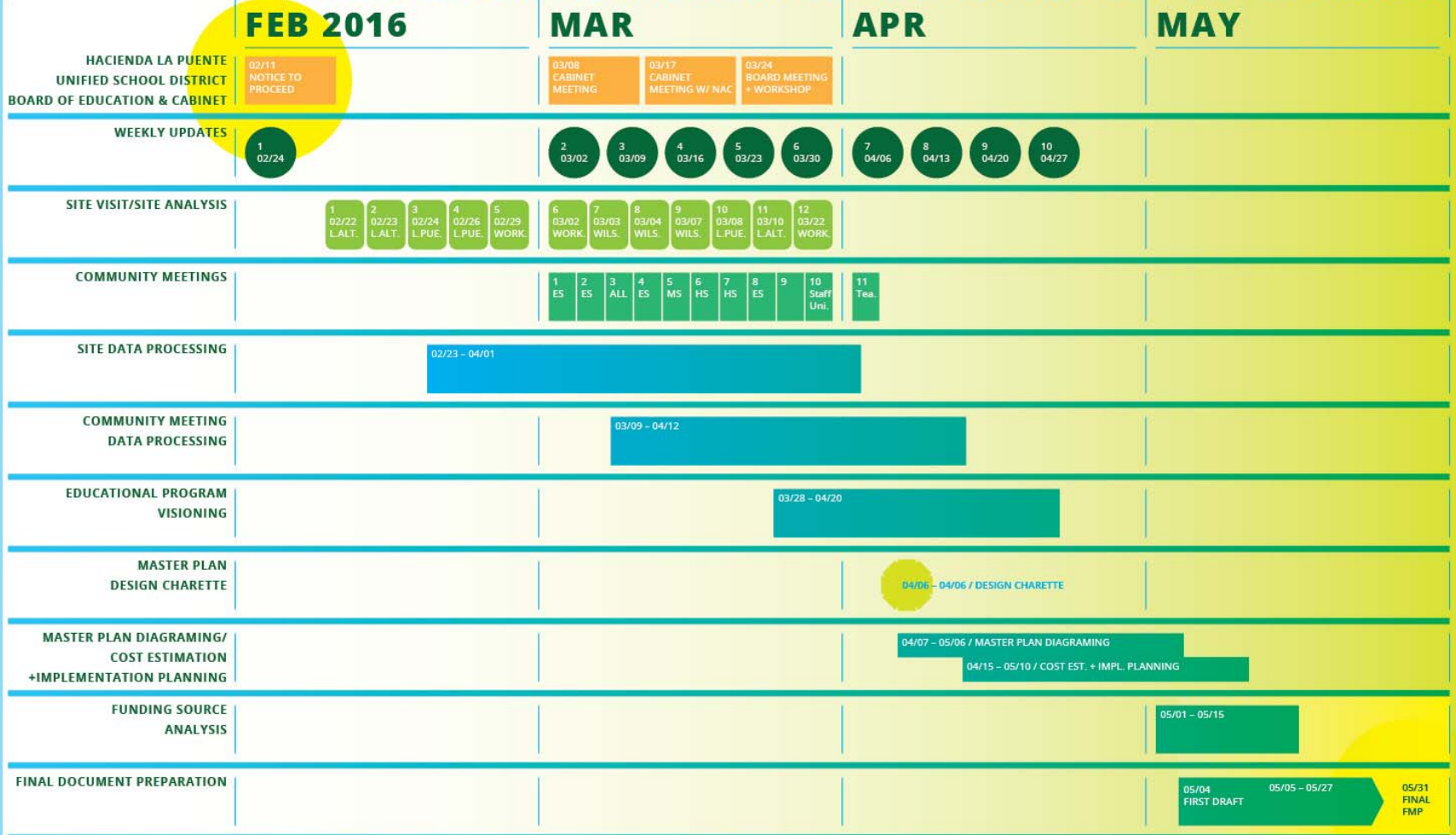
June 16, 2016



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Schedule

HACIENDA LA PUENTE USD FACILITIES MASTERPLAN



Research

Site Visits



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Research

On-Going Projects



Research

Community Outreach



Research

Best Practices

21st Century Classrooms

Healthy and Comfortable Environments

Schools as Centers of Community

Safety and Security

Integrating Technology

Sustainability

Vision

Theme Findings

TECHNOLOGY

SCHOOLS AS
CENTERS OF
COMMUNITY

SAFETY
+
SECURITY

MAKING
LEARNING
VISIBLE

SUSTAINABILITY
+
HEALTHY
SCHOOLS

FLEXIBILITY
+
ADAPTABILITY

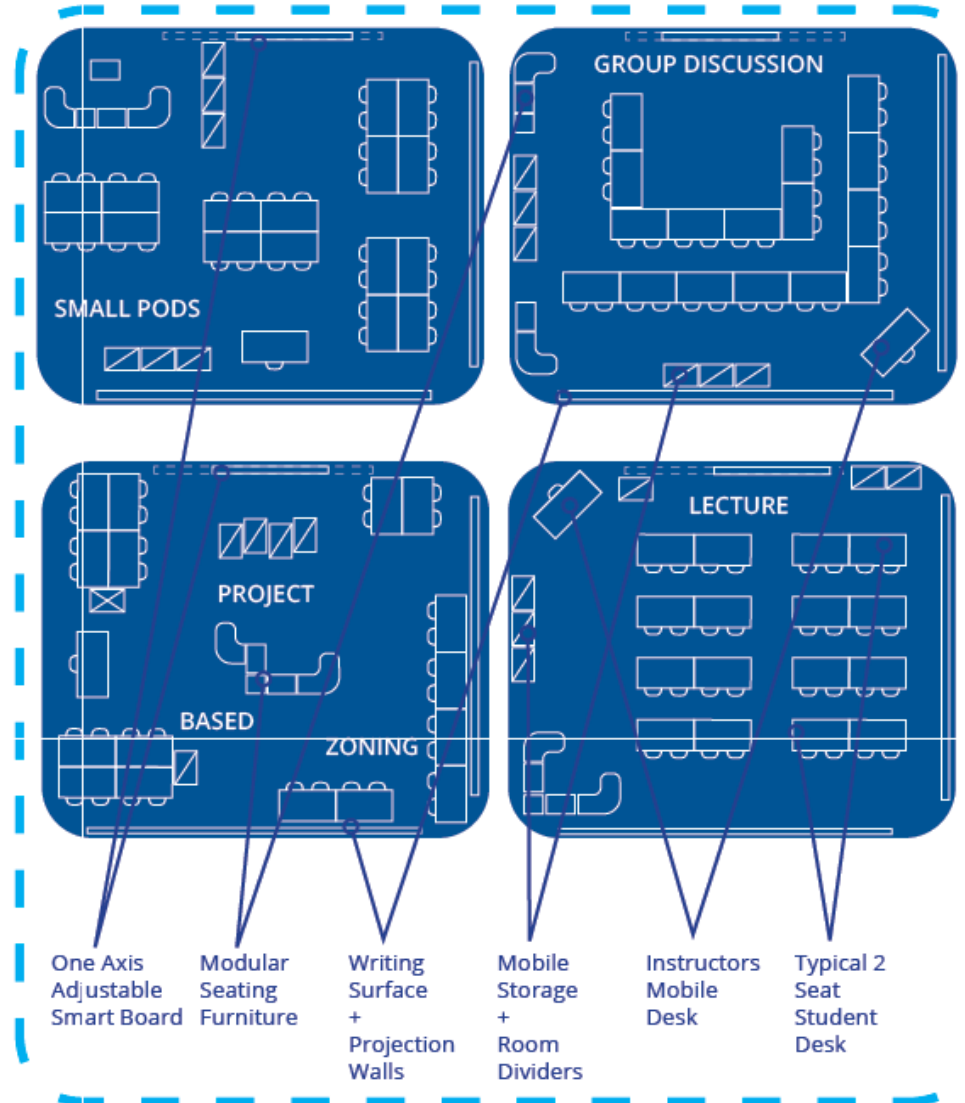
LEARNING
OUTDOORS

FACILITIES FOR
DIVERSE
EDUCATIONAL
PROGRAMS

CAMPUS
IDENTITY

Vision

21st Century Classroom



Vision

21st Century Classroom

- Natural and artificial lighting
- Multiple full wall writing surfaces
- Pod learning layout, with displays per pod
- Connectivity and sound amplification at each pod
- Easily configurable furniture

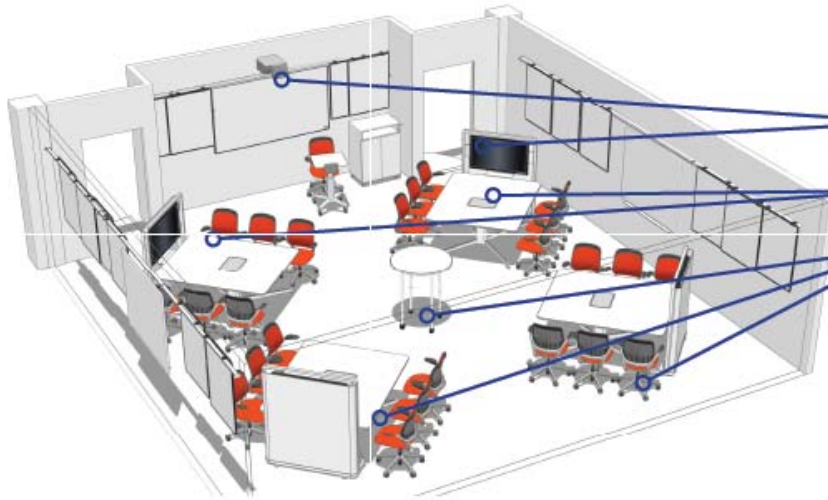


- Natural and artificial lighting
- Mobile storage
- Modular furniture
- Easily reconfigurable furniture
- Technology connectivity



Vision

21st Century Classroom



21st Century Classroom conceptual rendering configured to an "X" layout with group pods of 6

- Mobile and stationary projection displays in use
- Each pod with mobile display and connectivity access at the desks
- All mobile furniture

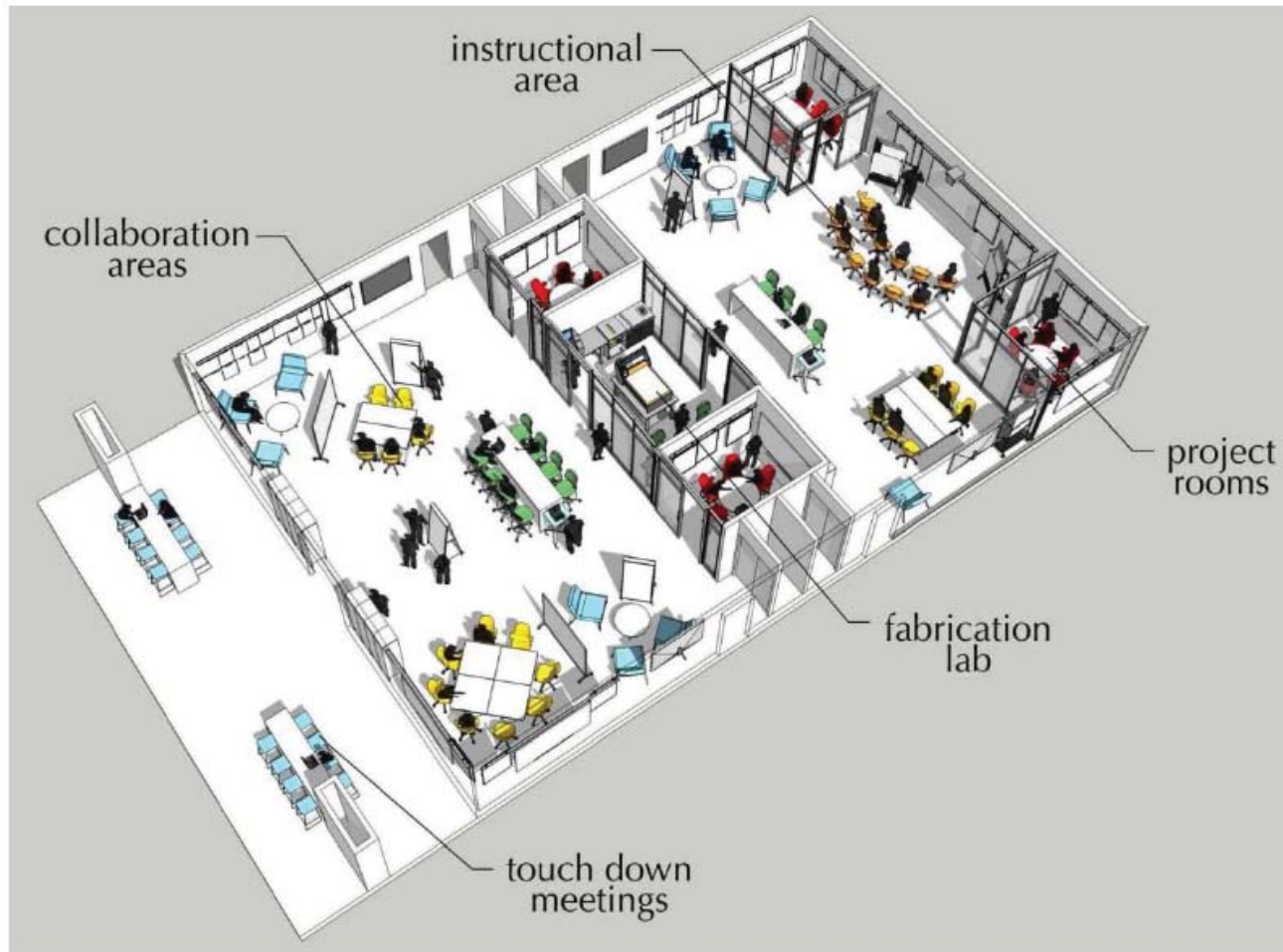


21st Century Classroom 3D rendering

- Natural and artificial lighting
- Mobile and stationary projection displays in use
- Chairs on wheels
- Mobile storage
- Adjustable space separation and displays
- Pods with technology connectivity

Vision

STEM / STEAM



Vision

STEM / STEAM



STEM Labs at

Columbia Basin Technology Skills Center

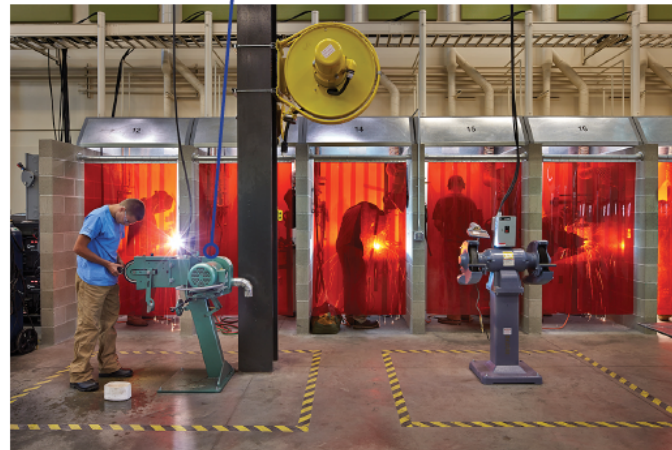
-Multiple zone layout

-Natural and artificial lighting

-Work + Build zones

-3D Fabrication zones

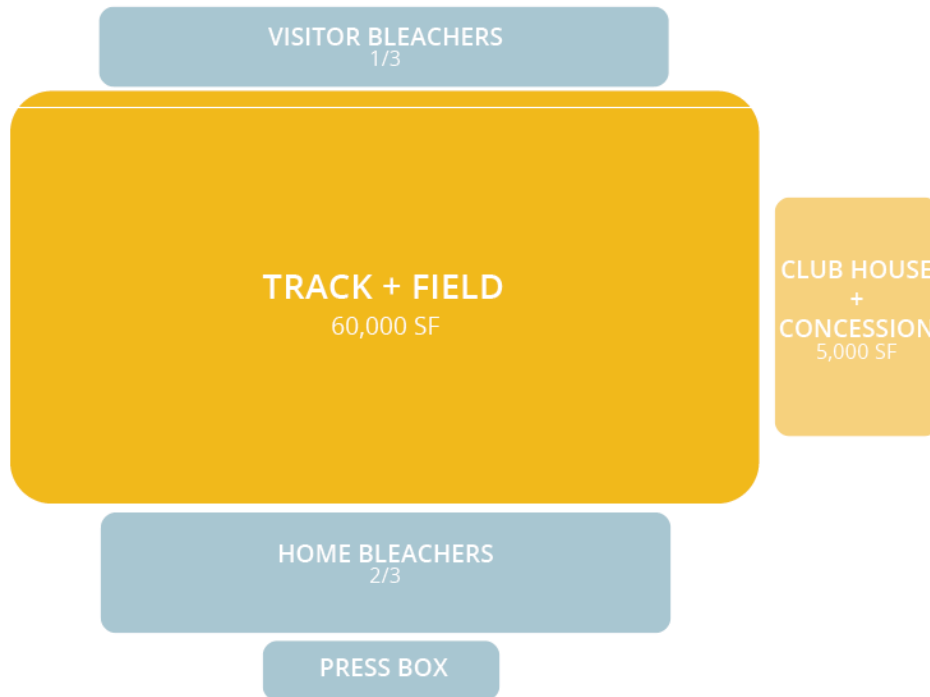
-Shop + Engineering Zones



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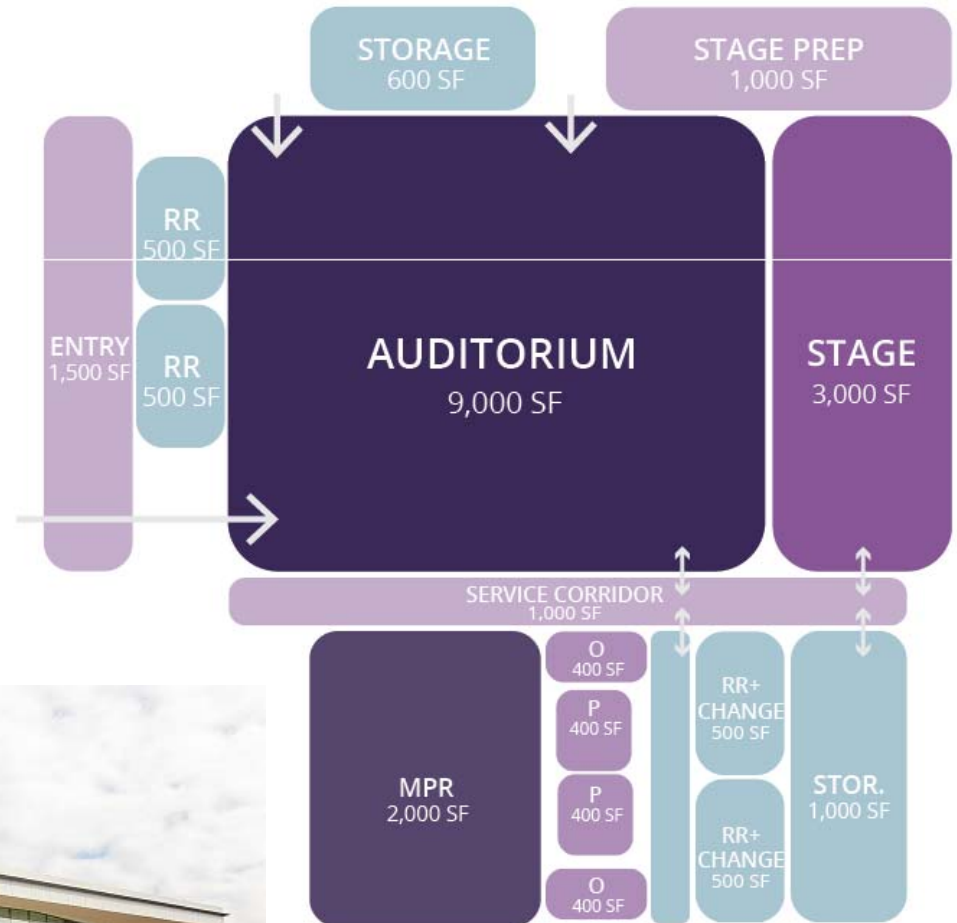
Vision

Stadiums



Vision

Community Arts Center



Approach

Elements at Various Scales

Small Scale

- Classrooms
- Parent Centers
- STEM / STEAM Space
- Shade Structures

Medium Scale

- High School Stadiums
- Outdoor Learning
- Campus Clusters
- Circulation
- High School Commons

Large Scale

- Technology
- Safety and Security
- Campus Aesthetics
- Sustainability
- Community Arts Center

Strategy

Case Study

DATA

795 North Grandview Lane
Valinda, CA 91744

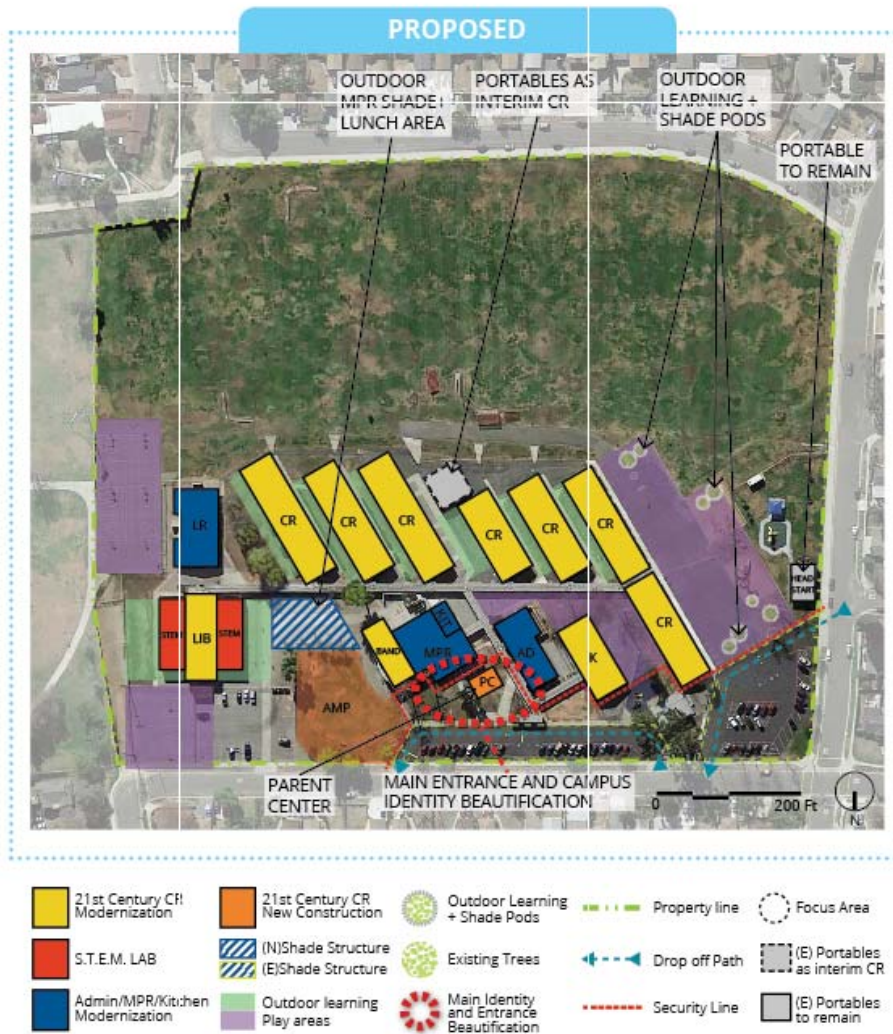
- Quad: Workman
- Enrollment: 614 (2015-2016)
- Grades: K-8
- API: 800 (2013)
- Site Size: 15.99 acres
- Building Area: 65,708 SqFt
 - 2,880 SqFt portables
 - 62,828 SqFt Permanent
- Original Build Year: 1959
- Specialty Programs: AVID, Band, Choir, STEM, Science Olympiad, Flag Football, Cross Country, Soccer, Softball, Volleyball.



NOTE: Proposed plans and placement of new construction are conceptual in nature for this facilities master plan. Further examination, research, and site findings are needed at each site to determine best overall placements, circulations, and positioning.

Strategy

Case Study



APPROACH

Construction started in 1959 for the Grandview campus while still under the old Rowland School District. In 1964 there was a major addition to the campus similar to Wing Lane, with a design deviation from the finger style layout resulting in a square building with interconnected spaces and a central multi-purpose room. While being a different design, the overall placement of the new building is still easily accessible and does not cause any campus disconnection challenges. The STEM wing conversion, overall modernization, and addition of outdoor learning pods will help with the incorporation of 21st Century Learning.

- 21st Century Classroom Modernization
- STEM/STEAM Lab and Outdoor Learning Area Conversion
- Support Spaces Modernization
- Shade Structure Additions
- Site Work Improvements
- New Parent Center
- Portable Removal

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Strategy

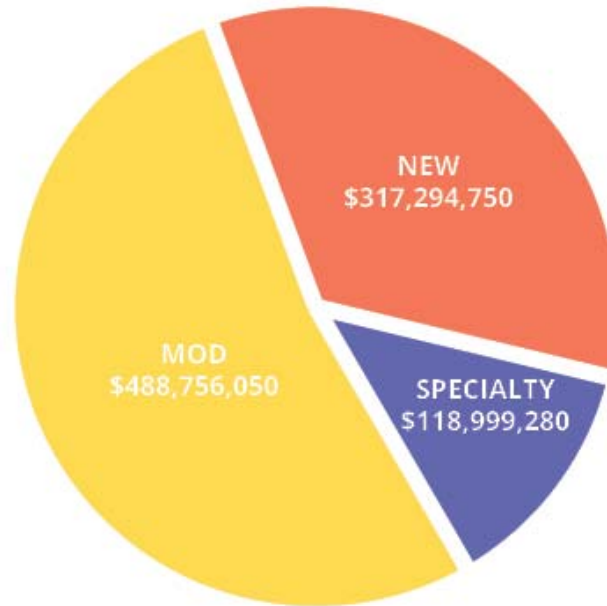
Case Study

////// Cost

<i>Master Plan Improvements</i>	<i>Cost</i>
21st Century Classroom Modernization	\$8,640,000.00
STEM/STEAM LAB Conversion	2,880,000.00
MPR Shade Structure	\$675,000.00
Locker Rooms Modernization	\$1,113,750.00
Admin Office/MPR/Kitchen Modernization	\$1,120,000.00
Site Work	\$8,106,000.00
Parent Center New Construction	\$288,000.00
Portable Removal	\$48,000.00
<i>Total</i>	<i>\$22,870,750.00</i>

Implementation

Cost Summary



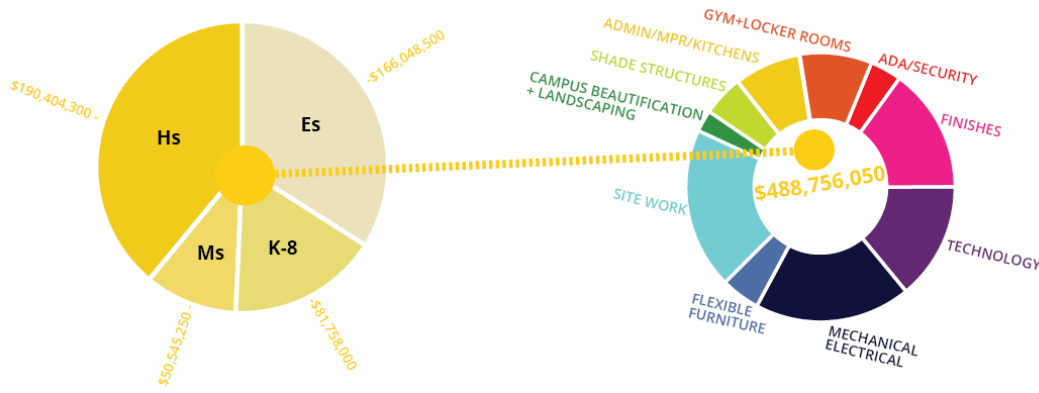
Modernization	\$	488,756,050
New Construction	\$	317,294,750
Specialty Programs	\$	118,999,280

\$	925,050,080
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Implementation

Modernization Costs

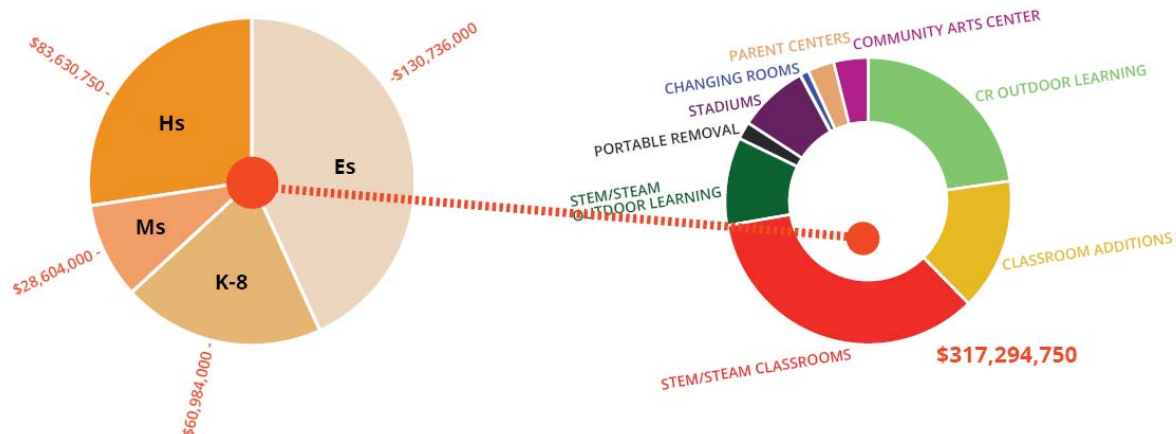
Category	TK/K - 5/6		TK/K - 8		6/7 - 8		9-12			
1 ADA/Security	\$	5,644,800	\$	3,052,800	\$	1,824,000	\$	7,725,540	\$	18,247,140
2 Finishes	\$	22,579,200	\$	12,211,200	\$	7,296,000	\$	30,902,160	\$	72,988,560
3 Technology	\$	21,168,000	\$	11,448,000	\$	6,840,000	\$	28,970,775	\$	68,426,775
4 Mechanical/Electrical	\$	28,224,000	\$	15,264,000	\$	9,120,000	\$	38,627,700	\$	91,235,700
5 Flexible Furniture	\$	7,056,000	\$	3,816,000	\$	2,280,000	\$	9,656,925	\$	22,808,925
6 Site Work (Site Security, Drop offs/parking, Underground Infrastructure, Accessibility)	\$	44,101,500	\$	18,701,000	\$	11,244,000	\$	20,070,900	\$	94,117,400
7 Campus Beautification/Landscaping	\$	6,800,000	\$	2,400,000	\$	1,600,000	\$	2,000,000	\$	12,800,000
8 Shade structures	\$	11,475,000	\$	4,050,000	\$	2,700,000	\$	5,675,000	\$	23,900,000
9 Administration/MPR/Kitchen	\$	19,000,000	\$	6,360,000	\$	4,300,000	\$	12,056,900	\$	41,716,900
10 Gym/Locker Room Mod			\$	4,455,000	\$	3,341,250	\$	34,718,400	\$	42,514,650
Grade Level Totals	\$	166,048,500	\$	81,758,000	\$	50,545,250	\$	190,404,300	\$	488,756,050



Implementation

New Construction Costs

Category	TK/K - 5/6		TK/K - 8		6/7 - 8		9-12		
1 CR- Outdoor Learning	\$	32,400,000	\$	17,700,000	\$	10,650,000	\$	11,100,000	\$ 71,850,000
2 Classroom Additions	\$	27,648,000	\$	15,120,000	\$	3,024,000	\$	864,000	\$ 46,656,000
3 STEM/STEAM CR	\$	45,168,000	\$	16,320,000	\$	8,616,000	\$	40,115,250	\$ 110,219,250
4 STEM/STEAM OL	\$	17,000,000	\$	6,000,000	\$	3,500,000	\$	5,000,000	\$ 31,500,000
5 Portable Removal	\$	3,624,000	\$	1,416,000	\$	312,000	\$	264,000	\$ 5,616,000
6 Stadiums							\$	24,847,500	\$ 24,847,500
7 Changing Rooms			\$	2,700,000	\$	1,350,000			\$ 4,050,000
8 Parent Centers	\$	4,896,000	\$	1,728,000	\$	1,152,000	\$	1,440,000	\$ 9,216,000
9 Community Arts Center									\$ 13,340,000
New Construction Grade Totals		\$130,736,000		\$60,984,000		\$28,604,000		\$83,630,750	\$ 317,294,750



Implementation

Specialty Programs Costs

Category	Specialty Education		District Offices	
1 ADA/Security	\$	5,659,153	\$	1,338,080
2 Finishes	\$	22,636,613	\$	5,352,320
3 Technology	\$	21,221,825	\$	5,017,800
4 Mechanical/Electrical	\$	28,295,767	\$	6,690,400
5 Flexible Furniture	\$	7,073,942	\$	1,672,600
6 Site Work	\$	5,700,000	\$	8,340,780
	\$	90,587,300	\$	28,411,980
				\$ 118,999,280

