Jackson STEM *Dual Language Magnet Academy*

593 W Woodbury Rd, Altadena, CA 91001

Campus Overview

Year Built: 1922
Site Size: 4.70 Acres

Welcome to Jackson STEM Dual Language Magnet Academy, a unique and nurturing elementary school community that provides an innovative approach to teaching and learning, infusing our STEAM curriculum across disciplines to inspire the next generation of scientists! Our community actively explores the varied ways to support an upper tier, a cross-curricular academic program emphasizing science, technology, engineering, arts, and math (STEAM). In addition, Jackson houses a popular dual language immersion program (SDLIP), serving both Spanish- and English-dominant students with the goal of nurturing bilingualism, bi-literacy, and bi-cognitive thinking. Capitalizing on our STEAM Academy, students in the SDLI program receive science instruction in both English and Spanish, enabling them to make connections between the languages and understand their linguistic commonalities, equipping them for success in the 21st century.

Recent Modernizations

Modernization Bond (1998-2008)	Complete modernization. New second story classroom building (F), landscaping, courtyard, HVAC, parking drop-off area, play structure, bungalows.
Measure TT (2008-2021)	Building F repairs (carpet, tact board in classrooms, drainage problems, retaining wall).

Programs & Awards

S T E A M
Science Technology Engineering Arts Math

Voted Best Public School in Pasadena

DUAL LANGUAGE IMMERSION PROGRAM

Jackson Dolphins enjoy a STEAM-based instructional model and a Spanish dual language program in a warm and nurturing learning environment.

Principal, Rita Exposito

PASADENA UNIFIED SCHOOL DISTRICT
Our Children. Learning Today. Leading Tomorrow.

Guiding Principles for 21st Century Learning Environments - District Wide Needs

Pasadena Unified School District

Learner-centered environments engage students.

- Instructional spaces in a variety of sizes and shapes support engaging, participatory learning and instruction for individuals and small or large groups.
- Indoor and outdoor spaces stimulate learning and the imagination.
- Areas to display, perform, and celebrate student work support skill development in a variety of modalities.

Community and schools connect as partners.

- Spaces are adaptable and aligned to the needs of students, teachers, and families.
- School and community resources align to promote school safety for all students and families.
- Campuses foster a wide array of programs and partnerships that optimize community resources.

Accountability promotes continuous improvement.

- School facilities and interior layouts can accommodate change over time, to meet evolving educational needs and requirements.

Creativity and collaboration foster learning.

- School spaces facilitate collaboration between, among, and within groups.
- Students have easy access to tools and resources for learning in any space.
- Spaces can adapt to the scale and context of any learning endeavor.

Flexibility and adaptability are key to our success.

- Spaces are constructed to serve current and future demands.
- Learning environments support multiple learning styles, programs, student populations, and pedagogical approaches.
- Whenever possible, classroom design supports general rather than “specified” uses, so as to adapt easily if the need arises.

Sustainability is vital.

- Shared ownership is visible via spaces that are connected and transparent.
- Students, teachers, parents, and community help define and contribute to their school’s visual, spatial, and architectural identity.

1. Technology Infrastructure

Provide ongoing effective technological integration of audio visual and tablet tools to enhance connectivity, classroom mobility and encourage student centered project-based learning.

2. State Mandated

Upgrades to code items including Accessible, AB 300, Net-Zero Performance and Fire Life & Safety requirements. Upgrades to pending heating, ventilation and air conditioning, plumbing, electrical, roofing, painting, and fencing items.

3. Safety & Security

Removal of hazardous materials. Improvements to student drop-off, parking, exterior lighting, fencing, fire alarms, emergency lighting, intrusion alarms, and controlled school entry security cameras.

4. Path to Zero Net Energy & Water Conservation

Incorporation of Energy Efficient systems to existing structures and new construction.
Use of recyled water for irrigation.

5. Program Improvements

New construction for specific signature program for each campus. Upgrades to equipment to existing signature program spaces.

6. 21st Century Learning & Flexible Classrooms

Addition of flexible furniture, storage systems, and Audio Visual equipment to accommodate diverse learning methods.

7. Modernization & Reconfiguration

Upgrades to finishes, casework, doors, and windows. This includes auditorium and specialty classrooms equipment upgrades. Reconfiguration of interior layout to support new programming.

8. Physical Education & Play Area Improvements

Modernization, reconfiguration and/or addition of athletic facility programs to support the needs of the Physical Education & Athletic Programs.

9. Multi-Purpose Spaces & Food Service Improvements

Modernization, reconfiguration, and/or addition of multi-purpose spaces. This includes modernization of cafeterias, serveries, and multi-purpose spaces.

10. Site Improvements

Improvements to site utilities and service lines. Upgrades to paving, landscaping, curb appeal, turf fields, and exterior play areas.

11. Outdoor Learning Classrooms & Gardens

Addition or improvement of outdoor student learning programs, gardens, and gathering areas.

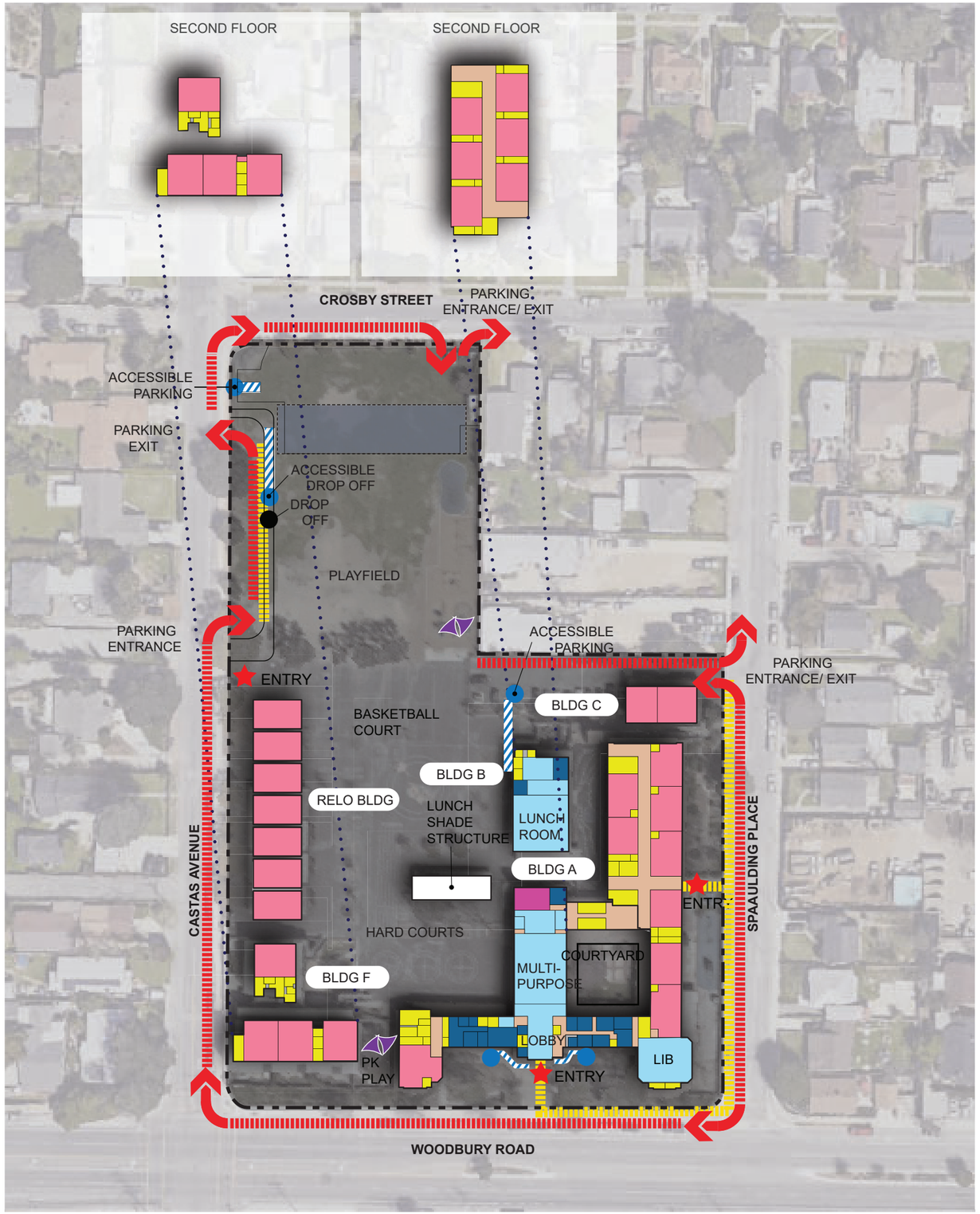
12. Intelligent New Construction

New permanent 21st century building construction that enhances campus energy performance, reduces maintenance, replaces legacy infrastructure, and/or temporary portable structures.

District Wide Needs

Assessments, proposed improvements, and cost herein do not reflect actual approved work to be done, nor constitute an approved project scope.

Jackson STEM *Dual Language Magnet Academy*



Legend

- Entry
- Drop-off
- School Bus Zone
- Accessible Entry
- Property Line
- Vehicular
- Pedestrian
- Accessible Route
- School Bus Zone
- Solar Panels
- Classrooms
- Specialty Classrooms
- Multi-Purpose Space
- Support Space
- Administration & Faculty
- Outdoor Learning
- Circulation
- Existing Play Structure

0' 25' 50' 100' N

Assessment Summary

1. Technology Infrastructure

- Existing Network and Technology needs replacement

2. State Mandated Items

- Buildings require replacement of lighting, HVAC, mechanical & plumbing systems
- Roof replacement as needed
- Extensive ADA upgrades are required to make buildings accessible including entrances, restrooms, drinking fountains, detactable warnings & signage
- Water & waste line replacement
- Handrail replacement (as needed) at existing exterior/ interior stairs
- Fire Access upgrades required

3. Safety & Security

- Replace chain link fencing / gate / hardware & retaining wall as needed
- Need security system with entryway sensors and campus security cameras

4. Path to Zero Net Energy & Water Conservation

- Proposed new building to replace portables should be designed for zero net energy
- There is a mixture of light fixture types, including LED, T8 and T12.
- Existing irrigation system is a conventional overhead spray irrigation system

5. Signature Program Improvements

- The new building as proposed to replace the portable classrooms should provide state-of-the-art facilities to support the school's STEAM and language programs

6. 21st Century Learning & Flexible Classrooms

- Existing classrooms are traditional lecture layouts.
- Current furniture, audio visual and technologies do not allow for flexible teaching strategies

7. Modernization & Reconfiguration

- West wing of building A requires assessment
- Replace windows as needed
- Interior repainting as needed
- Remove & replace portable classrooms with permanent structure

8. Physical Education & Play Area Improvements

- Replacement of A.C. pavement throughout the back campus is needed

9. Multi-Purpose Spaces & Food Service Improvements

- Cafetorium and kitchen need improvements
- Remove, relocate, and reconstruct lunch shelter adjacent and connected to Multi-purpose Building

10. Site Improvements

- Need exterior painting campus wide
- Replanting of landscaping & repair or replacement of irrigation is needed throughout campus, including play field.
- Water collection on Woodbury Road requires civil engineering
- Restrict curbside parking at W. Woodbury

11. Outdoor Learning Classrooms & Gardens

- The school needs exterior learning areas and/or garden areas

12. Intelligent New Construction

- Existing Buildings are not Intelligent

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Existing Site Plan

Jackson STEM *Dual Language Magnet Academy*

Legend

- Entry
- Drop-off
- School Bus Zone
- Accessible Entry
- Property Line
- Vehicular
- Pedestrian
- Accessible Route
- School Bus Zone
- Solar Panels
- Existing Fence
- New Fence
- New Building
- Modernization Spaces
- Circulation

SITE WORK

- Outdoor Learning
- Site & Landscaping
- Athletic Field
- Accessible Improvements
- Pervious Surface
- Play Area & Structure
- Shade Structure
- Hardcourts
- Parking
- Demo

0' 25' 50' 100' N

Suggested Improvements

1. Technology Infrastructure

- Upgradde Network and Technology Infrastructure

2. State Mandated Items

- Replacement of lighting, HVAC, mechanical & plumbing systems
- Replacement of roof as needed
- ADA upgrades at entrances, restrooms, drinking fountains, detactable warnings & signage
- Replacement of Water & waste line
- Handrail replacement (as needed) at existing exterior/ interior stairs
- Fire Access upgrades

3. Safety & Security

- Replacement of chain link fencing / gate / hardware & retaining wall as needed
- Provide security system with entryway sensors and campus security cameras

4. Path to Zero Net Energy & Water Conservation

- New building to replace portables designed for zero net energy
- Replace existing Restroom fixtures with low water
- Replace interior lighting fixtures with LED & update ballasts/fixtures with LED
- Use recycled water for irrigation

5. Signature Program Improvements

- The new building as proposed to replace the portable classrooms should provide state-of-the-art facilities to support the school's STEM and language programs

6. 21st Century Learning & Flexible Classrooms

- New classrooms layouts and updated infrastructure should allow for21st Century teaching and learning capabilities

7. Modernization & Reconfiguration

- Assess and upgrade West wing of building A
- Replacement of windows and shades as needed
- Interior repainting as needed
- Removal & replacement of portable classrooms with permanent structure

8. Physical Education & Play Area Improvements

- Replacement of A.C. pavement throughout the back campus is needed

9. Multi-Purpose Spaces & Food Service Improvements

- Cafetorium and kitchen improvements
- New larger lunch shelter adjacent and connected to Multi-purpose Building

10. Site Improvements

- Exterior painting campus wide as needed
- Replanting of landscaping & repair or replacement of irrigation
- Mitigate Water collection on Woodbury Road
- Paint curb at W. Woodbury to retrict public parking

11. Outdoor Learning Classrooms & Gardens

- Provide New Outdoor Learning areas throught out

12. Intelligent New Construction

- Addition of new Intelligent facilities to support school programs

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Jackson Magnet STEM Dual Language Academy

Suggested Site Plan

ESTIMATED ASSESSMENT COST

	Scope of Work Categories	Total
1	Technology Infrastructure	$829,657
2	State Mandated (Access / ADA Compliance, Fire-Life-Safety and Structural)	$4,977,945
3	Safety & Security	$497,794
4	Path to Zero Net Energy & Water Conservation	$331,863
5	Signature Program Improvements	$829,657
6	21st Century Learning & Flexible Classrooms	$1,659,315
7	Modernization & Reconfiguration	$4,148,287
8	Physical Education & Athletic Facility Improvements	$829,657
9	Multi-Purpose Spaces & Food Service Improvements	$1,659,315
10	Site Improvements	$1,888,338
11	Outdoor Learning Classrooms & Gardens	$333,236
12	Intelligent New Construction	$829,657
	Subtotal Estimated Assessment Cost	$18,814,725
	Soft Project Cost (20%)	$4,139,239
	Hard & Soft Costs Subtotal	$22,953,964
	Escalation (Averaged, 5% per annum to midpoint of construction)	$2,483,543
	Overall Contingency (10%)	$1,881,472
	Total Estimated Assessment Cost	$27,318,979

How Projects will be Established

WE ARE HERE

Step 1 Create Needs Assessments for Each Site

Step 2 Create Facilities Master Plan

Step 3 Establish Priority Areas

Step 4 Establish Project List

Step 5 Prioritize Project List

Step 6 Begin Project Planning and Construction

***Public input will be requested throughout the process**