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APPENDIX

- 02 GREENING SCORE BY SCHOOL
- 03 ADDITIONAL RESOURCES

01 GREENING INDEX & SITE PHOTOS BY SCHOOL



INITIAL SITE ANALYSIS | JULY 2023



GREENING INDEX ANALYSIS | APRIL 2024













THEUREKAUF ELEMENTARY SCHOOL SITE PHOTOS | MARCH 2023

MVWSD OUTDOOR LEARNING & GREENING STANDARDS













THEUREKAUF ELEMENTARY SCHOOL SITE PHOTOS | MARCH 2023

THEUERKAUF METRIC CHECKLIST: PHYSICAL COMFORT

1	Seating areas are sheltered from sun, rain, and wind	
2	Multiple seating areas for different group sizes and activities, with at least one space for large school functions	
3	Learning and gathering areas are accessible and comfortable to students of all relevant ages and abilities	
4	Visual screening between campus and neighboring areas; planting buffers nearby noise	\checkmark
5	Tree canopy will eventually cover 30% of school property	
6	Forest or grove setting	\checkmark
7	Natural materials (mulch, decomposed granite, stone, etc.) are accessible for physical interaction	
8	Shaded, comfortable lunch area	\checkmark
9	Existing shaded spaces are programmed to encourage use	
10	Heat island effect mitigated by painting asphalt with lighter, more reflective colors	
	TOTAL SCORE: PHYSICAL COMFORT	3



ADDITIONAL NOTES

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT



THEUERKAUF METRIC CHECKLIST: MENTAL WELL-BEING

1	Quiet, semi-private spaces for contemplation	
2	Outdoor spaces for conflict resolution, and emotional & physical regulation are adjacent to classrooms	
3	Use zones on campus are laid out and defined to minimize conflict	
4	Opportunities for student horticulture	\checkmark
5	Planting and materials engage all five senses	\checkmark
6	Therapeutic interventions: sensory wall, walkway, auditory features	
7	Therapeutic interventions are accessible to the whole school population	
8	Student creations are used or on display	
9	Space for art production and/or performance	
10	ELEMENTARY: Space for messy play in a managed/controlled space (eg. mud table) MIDDLE: Spaces for socializing in various group sizes	
	TOTAL SCORE: MENTAL WELL-BEING	2

ADDITIONAL NOTES

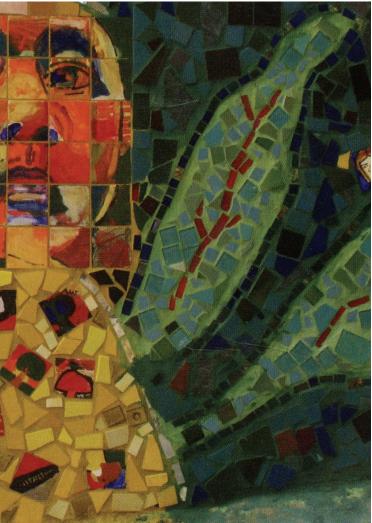
Spaces outside classrooms are used for breakouts, but not conducive.

TK uses water tables but not useable for all grades.

Walls with gears, ropes, pulleys, switches.

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT



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THEUERKAUF METRIC CHECKLIST: EXPLORATION & DISCOVERY

1	Areas with varied topography	
2	Environment is explicitly designed to change with climate & weather conditions over time, and for student engagement	
3	At least one natural structure provides an outdoor "destination"	\checkmark
4	Areas for native wildlife habitat	\checkmark
5	Variety of tree types (deciduous/evergreen, small/large)	\checkmark
6	Diverse planting palette without Cal-IPC-identified invasives species*	
7	ELEMENTARY: Nature play opportunities (informal play with natural materials) MIDDLE: Outdoor Science Laboratory	
8	ELEMENTARY: Nature play area compliments the traditional play structures and opportunities MIDDLE: Discovery Path connects distinct spaces around the campus	
9	ELEMENTARY: Movable/flexible play elements MIDDLE: Customizable outdoor space with movable furnishings	
10	ELEMENTARY: Nature play elements allow for vestibular movement MIDDLE: Natural areas with opportunities for physical challenges (e.g. a "Confidence Course")	
	TOTAL SCORE: EXPLORATION & DISCOVERY	3

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT



ADDITIONAL NOTES

Areas for nature play to be available to supervisable areas.

Flexible natural play elements.

Natural building materials.

*Cal-IPC (California Invasive Plant Council) works to stop the spread of invasive plants across California They lists invasive plants on their website: https://www.cal-ipc.org/plants/inventory/

THEUERKAUF METRIC CHECKLIST: OUTDOOR LEARNING

1	Facilitate and support student understanding of their environment through data collection, informed observations and guided learning	\checkmark
2	Outdoor learning garden provides opportunities for students to participate in every stage of gardening (seeding, planting, harvesting, composting)	\checkmark
3	Outdoor learning garden has seating, water, secure storage, and an appropriate number of raised beds	
4	Outdoor learning garden is shaded for comfort	\checkmark
5	There is an outdoor space suitable for classroom instruction	
6	District's maintenance staff is familiar with Bay-Friendly and other sustain- able maintenance practices	
7	School organizes community maintenance days	
8	Native plant garden or native planting throughout outdoor areas increases local ecological literacy	
9	Educational signage and/or artwork makes cultural references to local community	
10	Green infrastructure* is visible through signage and/or design	
	TOTAL SCORE: OUTDOOR LEARNING	3

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT



ADDITIONAL NOTES

Seating is lacking in learning garden. Lesson is held indoors due to lack of seating.

Living Classroom provides on-site maintenance.

Learn about cultural references.

School and student values demonstrated through artwork.

*Green infrastructure filters and absorbs stormwater through a combination of natural and built materials. Examples of green infrastructure include: rain gardens, bioswales, infiltration basins, green roofs, permeable paving, subsurface detention systems.

THEUERKAUF METRIC CHECKLIST: OPERATIONS & SUSTAINABILITY

1	Planting suited to the regional climate and campus microclimates	
2	Plants are irrigated with efficient systems	
3	Stormwater is actively captured and/or infiltrated on site	
4	Lawn limited to necessary areas (playfields, etc.)	
5	Impermeable surface limited to necessary areas (ball play, circulation, etc.)	\checkmark
6	Library has adjacent seating/instructional outdoor space	
7	Existence of a schoolyard committee (dedicated or part of a related group)	
8	School community outside of maintenance staff (students included) involved in schoolyard stewardship	
9	School has acquired outside resources (community partnerships and/or funding) for outdoor greening & learning	
10	School has an action plan/design vision for future school site improvements	
	TOTAL SCORE: OPERATIONS & SUSTAINABILITY	1



ADDITIONAL NOTES

Desire for space outside library.

Primary library entrance is outside school fence.

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT



THEUERKAUF METRIC CHECKLIST: STUDENT SAFETY & EXPERIENCE

1	Natural features define and reinforce the schoolyard boundary with public shared-use areas	
2	Natural features define and reinforce distinct outdoor spaces	\checkmark
3	School entry reflects greening and sustainability objectives	
4	Waiting areas for pickup and dropoff have suitable amenities (shelter, seating, adequate visibility)	
5	Site exiting and accessibility requirement are maintained	
6	Movement between outdoor spaces is fluid	\checkmark
7	Recreation is encouraged in supervised areas of campus are easily accessible from school buildings	\checkmark
8	Gathering spaces for small groups in a natural setting	
9	Outdoor learning garden is secure but visible through gates, fencing and/or planted screens	
10	Loose materials are not sharp or heavy and tripping hazards are mitigated	
	TOTAL SCORE: STUDENT SAFETY & EXPERIENCE	3

SCORING GUIDE:

0-3 \checkmark 's = NEEDS WORK | 4-7 \checkmark 's = ADEQUATE | 8-10 \checkmark 's = EXCELLENT



ADDITIONAL NOTES

Want to create a more welcoming entry.

Missing compliance at gates.

Tripping hazards at non-maintained DG and planting areas/tree wells.

THEUERKAUF SUMMARY: SCHOOL GREENING SCORES

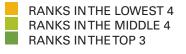
SCHOOLS	SCORE	÷Ņ́-		Q			
THEUERKAUF ES	15/60 NEEDS WORK	3/10	2/10	3/10	3/10	1/10	3/10
	RANKING LEGEND:						

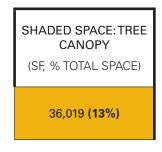
NEEDS WORK:

NEEDS WORK:	0-3 √′s
ADEQUATE:	4-7 √′s
EXCELLENT:	8-10√'s

GREEN SPACE (SF PER STUDENT)	SHADED SPACESHADED SPACE: TREE CANOPY(SF PER STUDENT)(SF PER STUDENT)				OPEN SPACE: SCHOOLS (SF PER STUDENT)	OPEN SPACE: CITY PARKS (SF PER STUDENT)
474	162	113	1,170	591		

RANKING LEGEND:





RANKING LEGEND:

NEEDS WORK: 0-14% tree canopy shade of total area
ADEQUATE: 15-29% tree canopy shade of total area
EXCELLENT: 30% or more tree canopy shade of total area

Transfer scores from category assessment pages

÷\	PHYSICAL COMFORT
	MENTAL WELLBEING
Q	EXPLORATION & DISCOVERY
	OUTDOOR LEARNING
	OPERATIONS & SUSTAINABILITY
	STUDENT SAFETY & EXPERIENCE

THEUERKAUF GREENING PRIORITIES*

PHYSICAL COMFORT

- 1 Increase shaded seating, especially around play areas, learning garden and natural areas
- 2 Improve existing pre-k/TK yard
- 3 Paint blacktop to alleviate heat, including educational/playful striping to activate blacktop

MENTAL WELL-BEING

- 1 Quiet, semi-private areas for emotional regulation
- 2 Social Emotional Learning activities via striping (striping along covered walkways)
- 3 Add play walls with gears, ropes, pulleys, switches

EXPLORATION & DISCOVERY

- planting

OUTDOOR LEARNING

- 1 Add amenities to facilitate outdoor learning in existing spaces (tables, seating, storage, blackboard)
- 2 Amphitheater space for events in courtyard
- 3 Reading 'rooms' around campus, especially near blacktop for reading during recess
- 4 More storage for outdoor teaching/play activities (i.e. mini library, ball storage)

OPERATIONS & SUSTAINABILITY

- 1 More direct path from classrooms to MUR for lunch (need a walking path so grass doesn't get trampled)
- 2 Capture, treat and infiltrate stormwater on site
- 3 Choose plants that can be maintained without intense manicuring (i.e. right plant, right place)
- 4 Provide proper maintenance training to district maintenance staff (i.e. Rescape)



- blacktop
- aren't intersecting
- 4 Enhance pickup/dropoff area

*The following greening opportunities were determined by the metric score assessments and meetings with the principal, staff and community conducted in September-December 2023.

• 1 - Enhance natural areas with native and habitat

• 2 - Nature Play Opportunities

STUDENT SAFETY & EXPERIENCE

• 1 - More diversity of places/types of things to do in the

- 2 Remove tripping hazards at non-maintained decomposed granite and planting areas/tree wells
- 3 Restripe basketball area so halfcourt and full court