

#### **Meet** The Presenters

A4LE 2017 Annual Conference



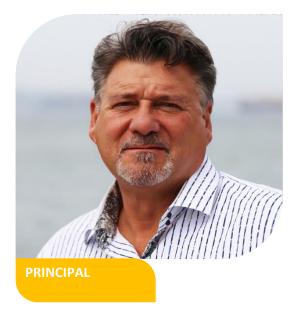


#### **VICKI MOORE**

**BOARD MEMBER** 

Vicki Moore is the Founder, former Executive Director, and now Board Member of Living Classroom, a garden-based education non-profit serving public schools in the South San Francisco Bay area.





#### VINCE LATTANZIO

Vince Lattanzio is a landscape architect with a thriving firm in San Francisco. A Harvard graduate and Fulbright Scholar, he brings 35 years of experience in Green approaches to campus design.





#### **LINDA STEVENIN**

Linda Stevenin is a senior architect and educator at Artik. Her previous positions include Director of Facilities, Intersessions & experimental learning for Summit Public Schools.





#### JILL GOODMAN

Jill Goodman is Senior Lecturer in English, Emerita, at Santa Clara University. She is currently working with Artik as a school liaison, reaching out to teachers and students, seeking to create stronger partnerships with clients and a better understanding of how well educational facilities support student learning.

### Our Agenda A4LE 2017 Annual Conference

01

02

03

04

WHY ARE GREEN SCHOOLYARDS SO IMPORTANT?

OUTDOOR LEARNING & COMMUNITY PARTNERSHIPS

DESIGN
PRINCIPLES &
ELEMENTS

**ACITVITY** 

## WHY ARE GREEN SCHOOLYARDS SO IMPORTANT?

- COMMUNITY RESOURCES FOR SAFE
   OUTDOOR PLAY
- HIGHER ACADEMIC OUTCOMES
- IMPROVED MENTAL & PHYSICAL HEALTH
- CONNECTION TO NATURE
- EMPOWERED AND CONNECTED
   SCHOOL COMMUNITIES



#### **VALUE AND BENEFITS: PLACE-BASED EDUCATION**







#### **HIGHER ACADEMIC OUTCOMES**







#### **MENTAL & PHYSICAL HEALTH**





#### **RESTORING OUR NATIVE ECOLOGY**



#### **EMPOWERED AND CONNECTED SCHOOL COMMUNITIES**









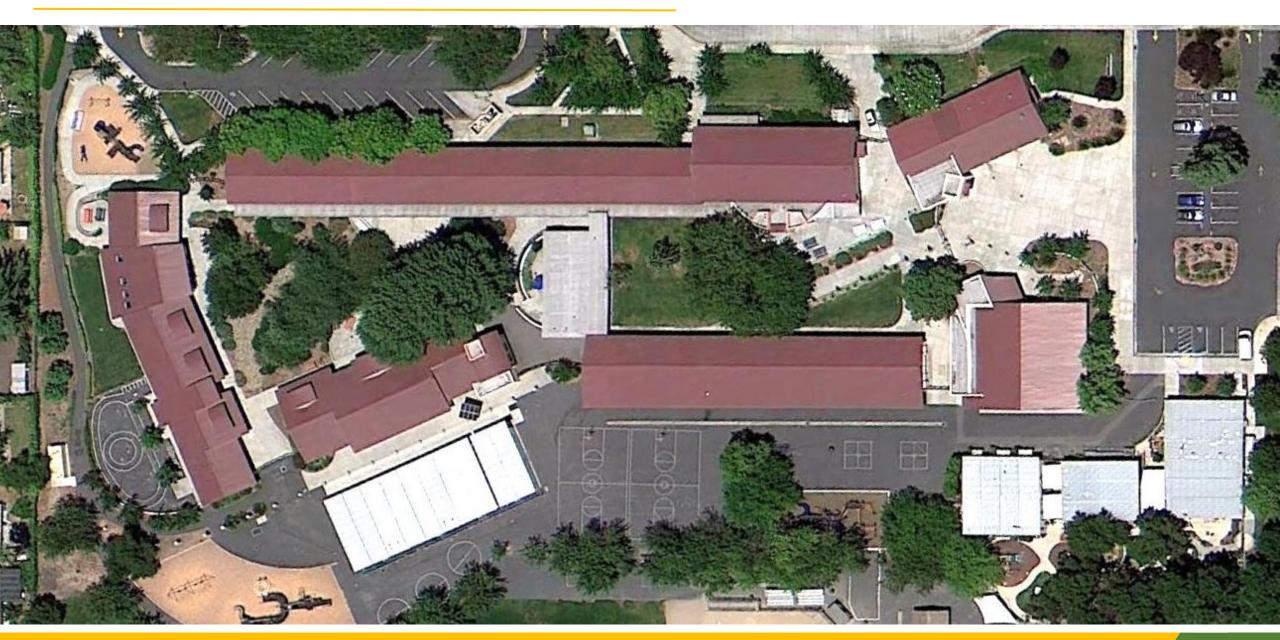
02

# OUTDOOR LEARNING & COMMUNITY PARTNERSHIPS

- CASE STUDY: Theuerkauf Elementary
- LIVING CLASSROOM: Partnership with a successful, community-based non-profit
- OUTDOOR LEARNING
- ENVIRONMENTAL LITERACY
- CITIZEN SCIENCE IN HABITAT GARDENS AND LANDSCAPING



#### THEUERKAUF ELEMENTARY SCHOOL – SITE PLAN



#### THEUERKAUF ELEMENTARY SCHOOL – DRY CREEK BED & NATIVE GARDEN



#### THEUERKAUF ELEMENTARY SCHOOL – WALK BY THE BAY







#### THEUERKAUF ELEMENTARY SCHOOL – MASK MANDALA







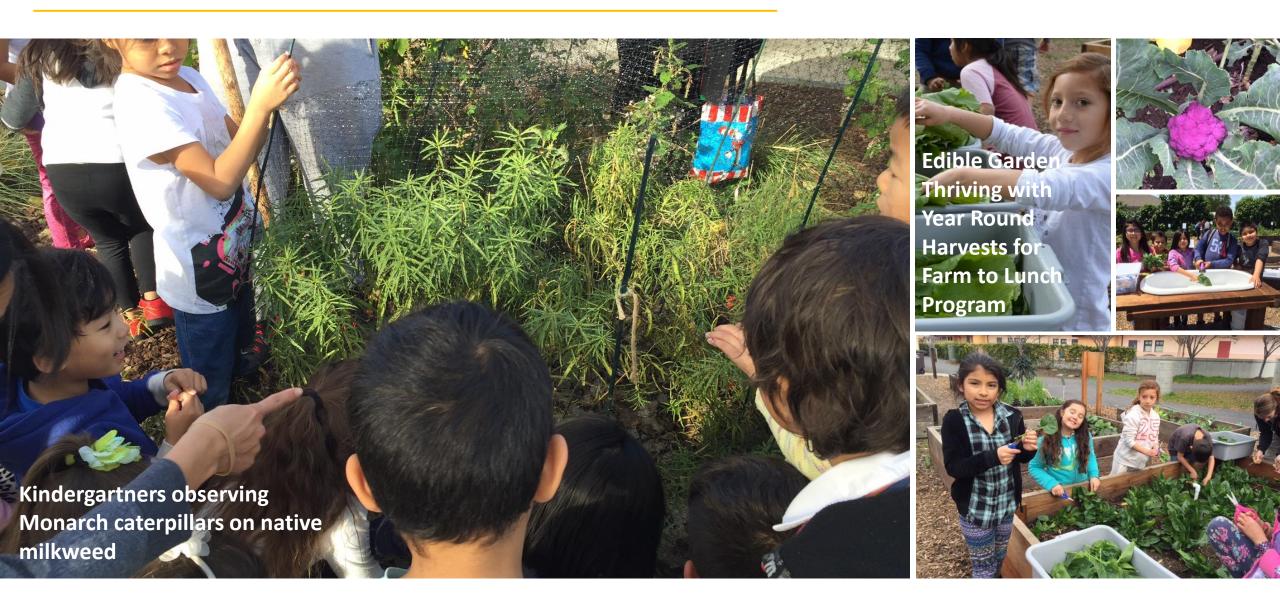
#### THEUERKAUF ELEMENTARY OUTDOOR CLASSROOMS CREATED AND IN FULL USE







#### THEUERKAUF ELEMENTARY OUTDOOR LEARNING TODAY



#### THEUERKAUF NATIVE HABITAT GARDEN - WELL USED AND WELL LOVED!











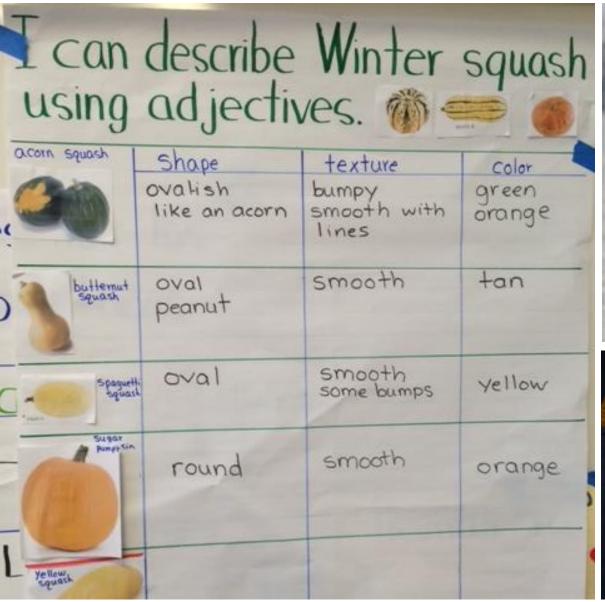
#### LIVING CLASSROOM: PARTNERSHIP WITH A SUCCESSFUL, COMMUNITY-BASED NON-PROFIT



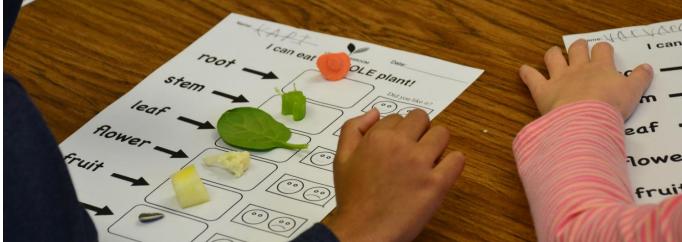




#### **LEARNING IN OUTDOOR LEARNING ENVIRONMENTS**













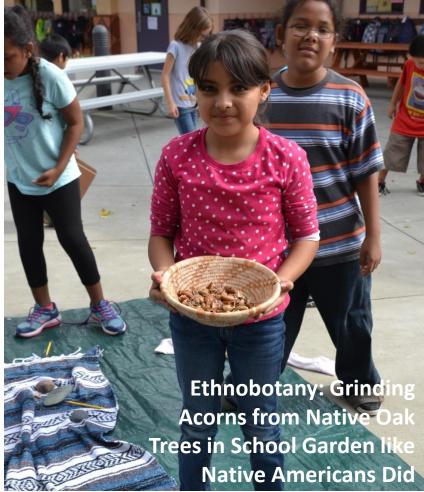




#### **ENVIRONMENTAL LITERACY**







#### CITIZEN SCIENCE IN HABITAT GARDENS AND LANDSCAPING









## DESIGN PRINCIPLES & ELEMENTS

PLACE BASED: Learning that is rooted in what is local—the unique history, environment, culture, economy, literature, and art of a particular place.

- PEDAGOGICAL/CURRICULAR:

  Academic content and the art and science of teaching.
- **ECOLOGICAL:** The study of the relationships between living organisms and their environment.





#### **DEFINING AN OUTDOOR LEARNING ENVIRONMENT**







#### **NATURAL CONNECTIONS**





#### **CULTURAL CONTEXT**







#### **HISTORICAL CONNECTIONS**







#### **MATERIALS**



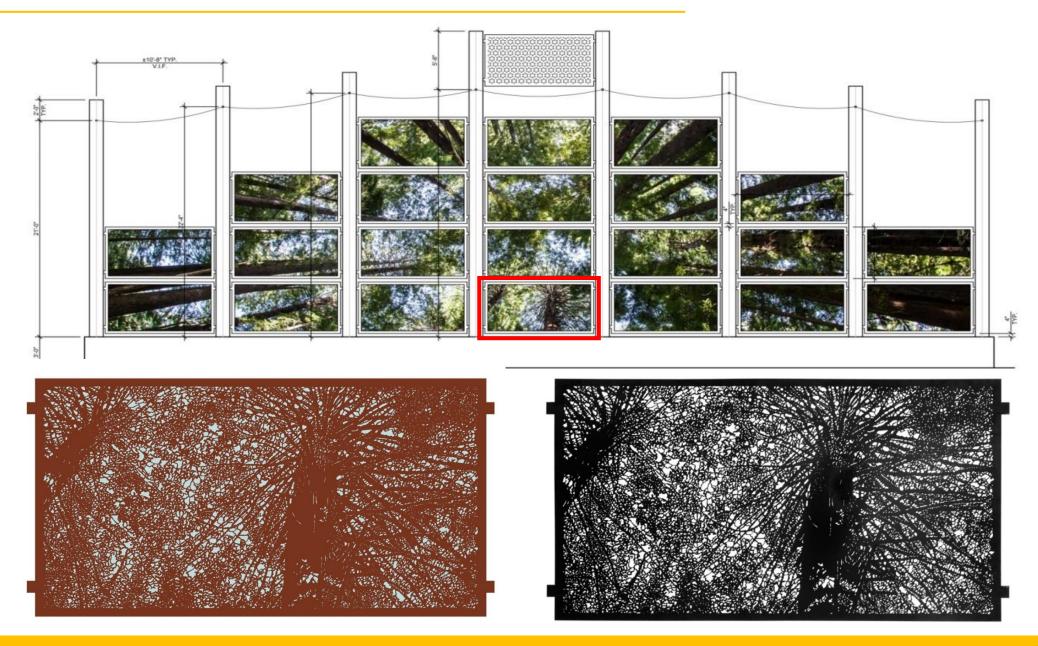




#### **ANDREW HILL HIGH SCHOOL – REDWOOD FOREST**



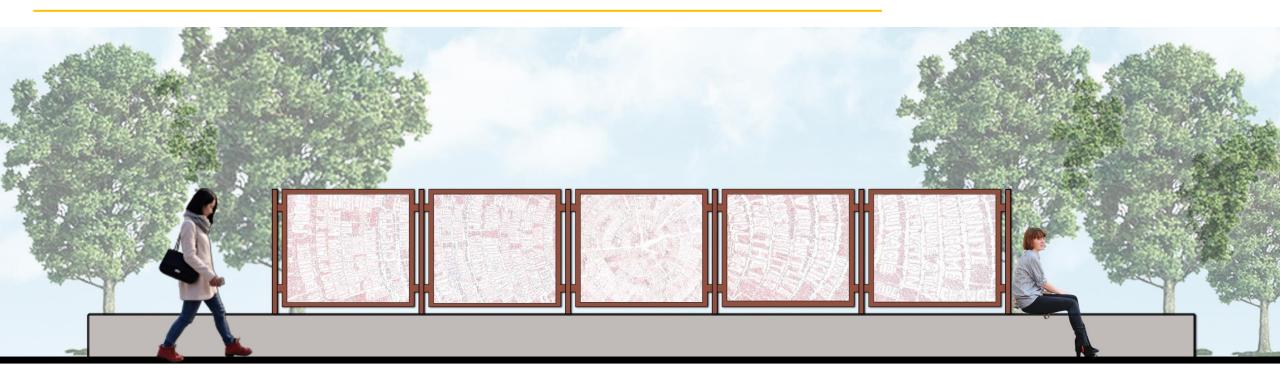
#### ANDREW HILL HIGH SCHOOL – CUT STEEL STAGE BACKDROP

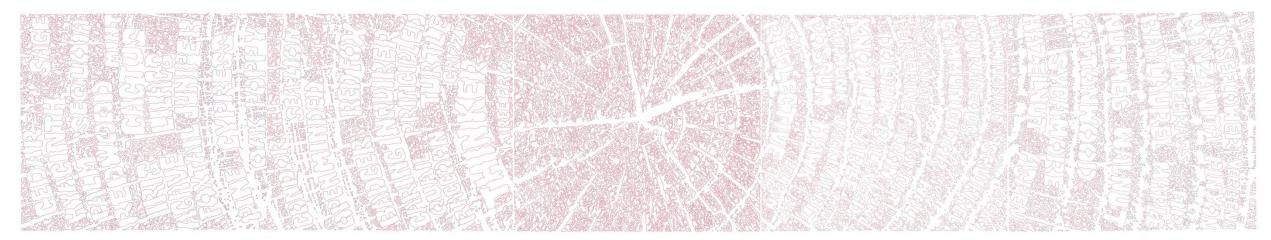


#### ANDREW HILL HIGH SCHOOL – REDWOOD TREE RING



#### ANDREW HILL HIGH SCHOOL – CUT STEEL BARRIER & SEAT WALL





#### **ANDREW HILL HIGH SCHOOL – SITE PLAN**



#### ANDREW HILL HIGH SCHOOL – STEEL CABLE WEAVE & STAGE BACKDROP



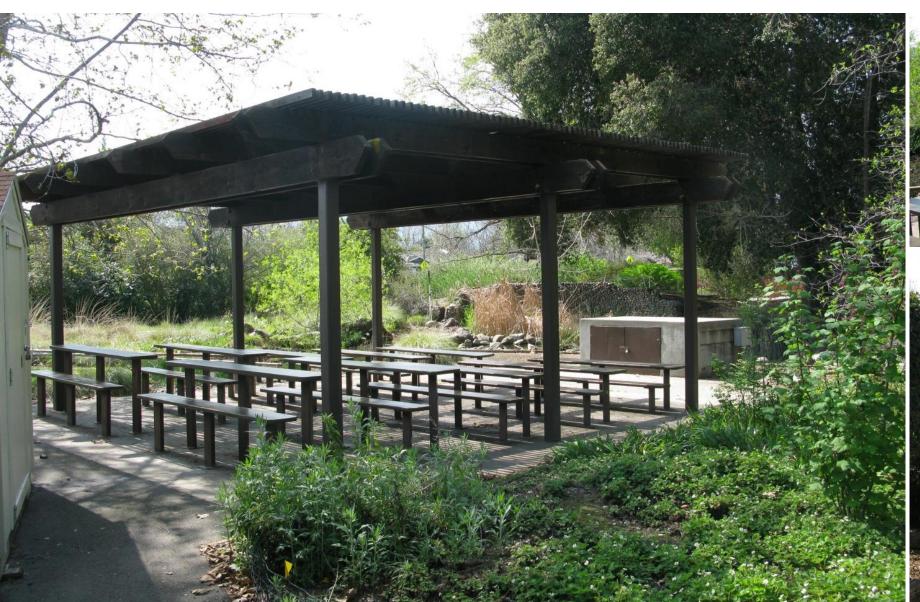
#### ANDREW HILL HIGH SCHOOL – STEEL SEATWALL BARRIERS & ROCK CIRCLE







# HACIENDA ELEMENTARY SCIENCE & ENVIRONMENTAL MAGNET – OUTDOOR CLASSROOM







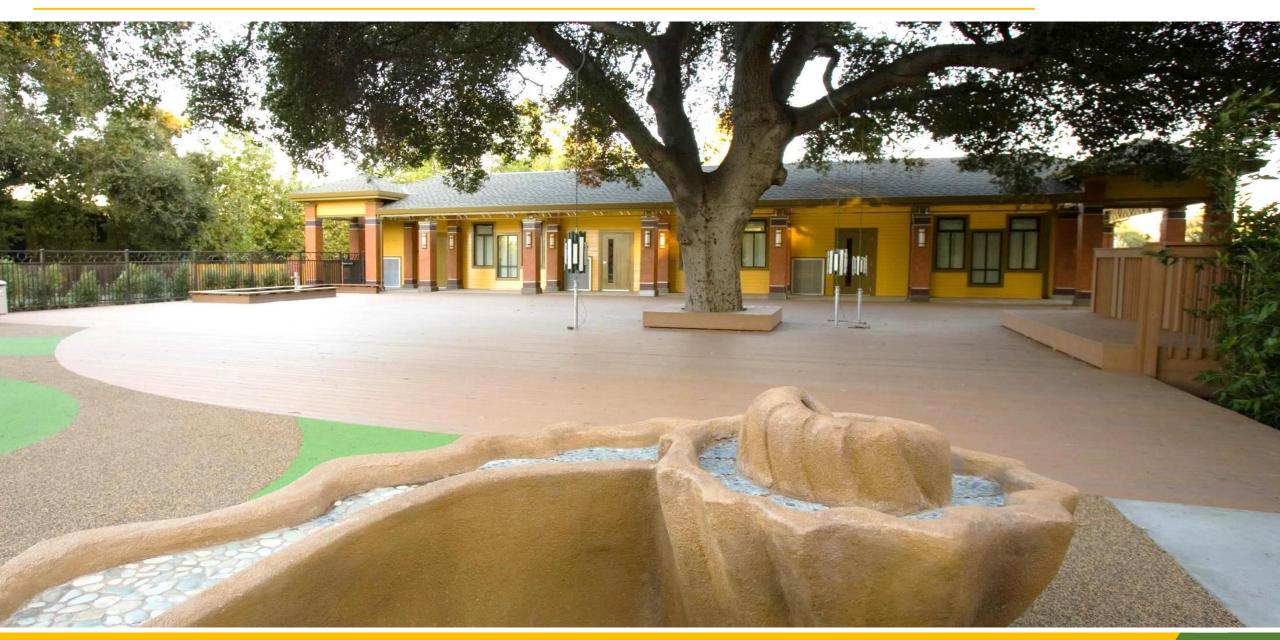
#### HACIENDA ELEMENTARY SCIENCE & ENVIRONMENTAL MAGNET – OUTDOOR CLASSROOM



#### **MOUNTAIN VIEW CHILD CARE CENTER – SITE PLAN**



#### MOUNTAIN VIEW CHILD CARE CENTER – OUTDOOR LEARNING & PLAY AREA



#### **MOUNTAIN VIEW CHILD CARE CENTER – INTERACTIVE PLAY**







#### **OUTDOOR CLASSROOMS – INTEGRATE CURRICULUM**





#### **OUTDOOR CLASSROOMS**





#### **SOCIAL INTERACTION**







#### **FLEXIBILITY**



# WALDORF SCHOOL OF THE PENINSULA, LOS ALTOS – BACKYARD/OUTDOOR CLASSROOM





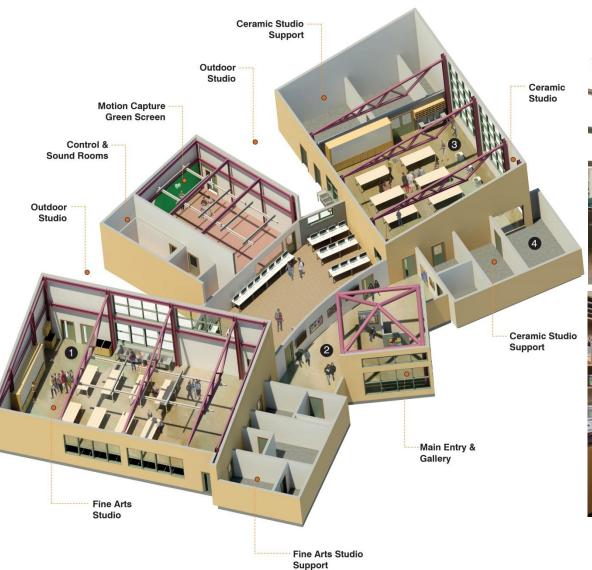
# CAPUCHINO HIGH SCHOOL, FINE & DIGITAL ARTS CLASSROOM BUILDING – SITE PLAN



#### CAPUCHINO HIGH SCHOOL, FINE & DIGITAL ARTS CLASSROOM BUILDING



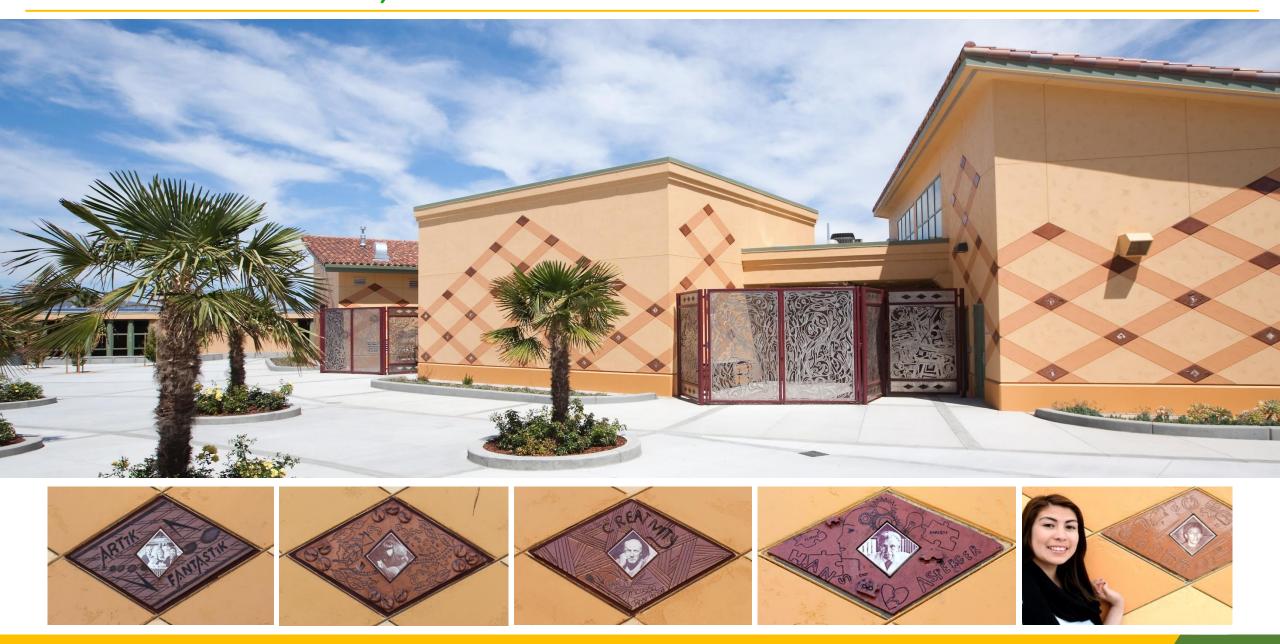








# CAPUCHINO HIGH SCHOOL, FINE & DIGITAL ARTS CLASSROOM BUILDING – ARTS COURTYARD



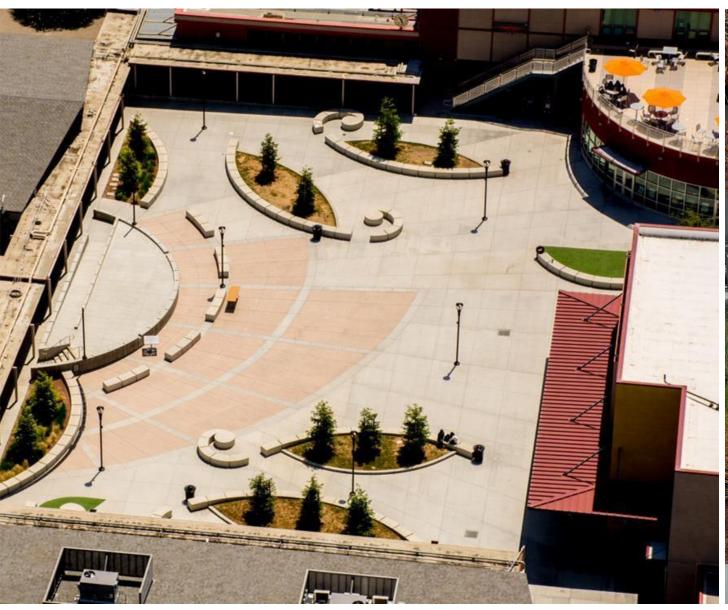


#### **PHYSICAL + VISUAL CONNECTIONS**



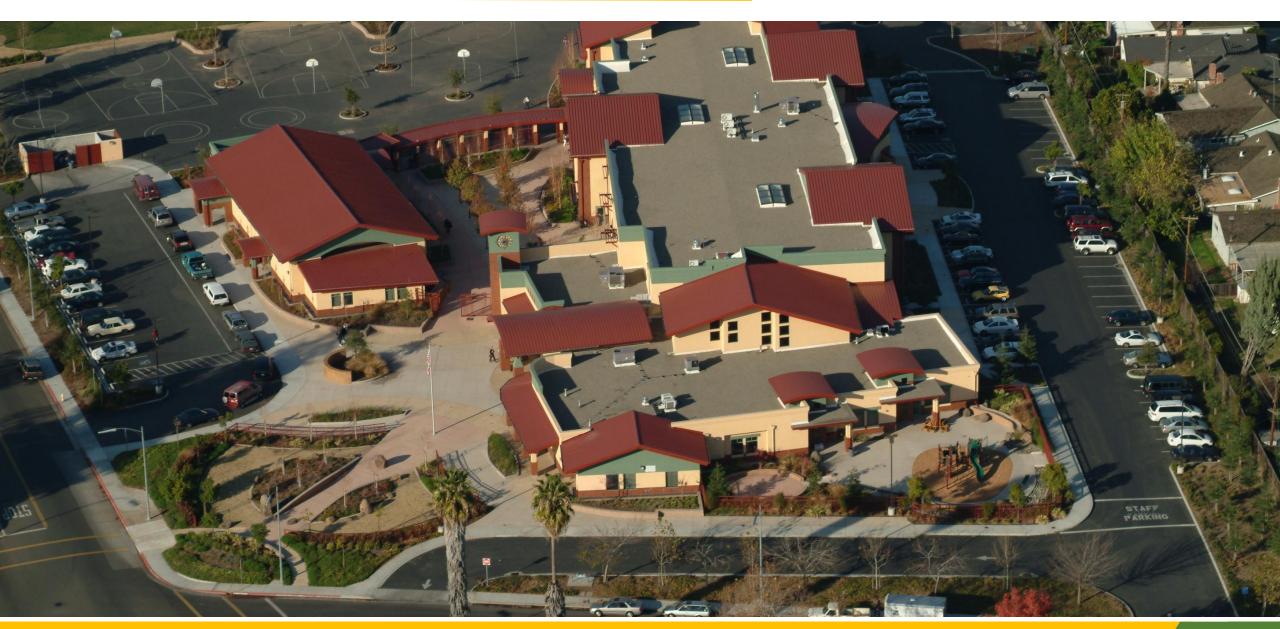


#### **ORGANIC FORMS**





#### **ERNESTO GALARZA ELEMENTARY SCHOOL – SITE PLAN**



#### ERNESTO GALARZA ELEMENTARY SCHOOL – ROCK GARDEN

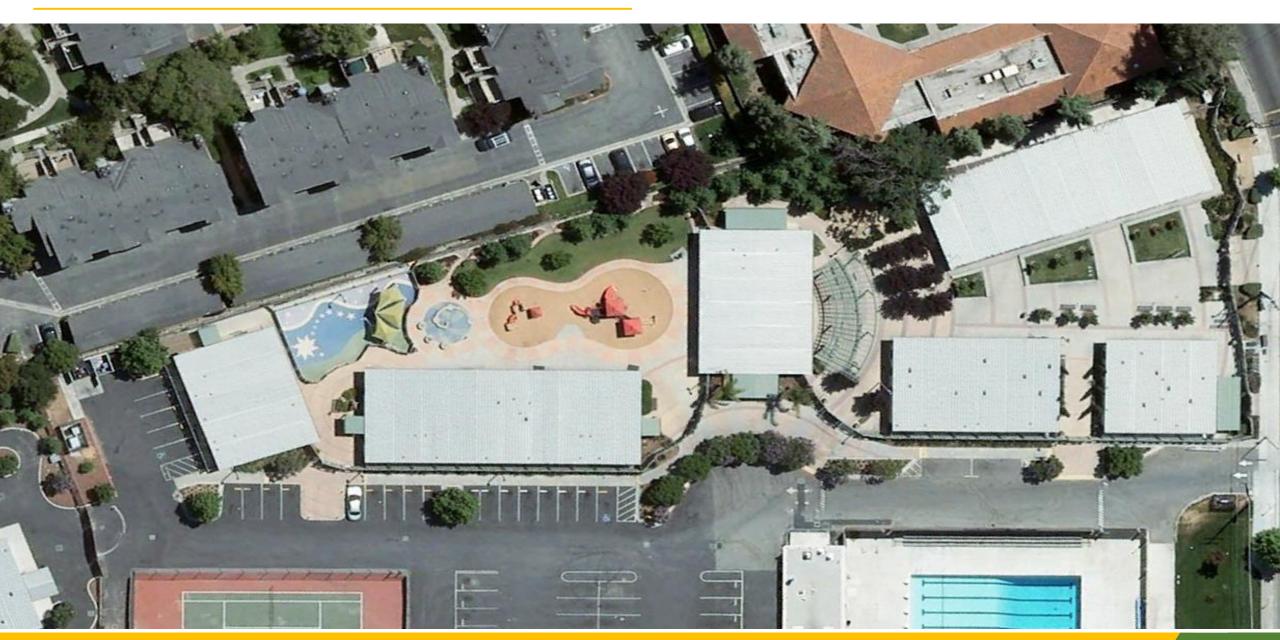


#### ERNESTO GALARZA ELEMENTARY SCHOOL – EVENT COURTYARD & KINDER PLAY AREA





#### **FAMILY EARLY LEARNING CENTER – SITE PLAN**



# FAMILY EARLY LEARNING CENTER – PRESCHOOL/KINDER PLAY AREA & WATER FEATURE







#### FAMILY EARLY LEARNING CENTER – ROCK CIRCLE & EVENT COURTYARD WITH TRELLIS









	design consideration	NOTES
P	HYSICAL + VISUAL CONNECTIONS rovide indoor and outdoor connections hrough views and materials.	
P	IATURE CONNECTIONS rovide connections to natural environment, undscape, ecology, geology, open space.	
P	CULTURAL CONNECTIONS Trovide connections to local and regional ulture- celebrate!	
P	IISTORICAL CONNECTIONS Provide positive connections to local and egional history and events.	UNE UPE
P	MATERIAL CONNECTIONS rovide connections to local and regional naterials (stone, wood, plants).	
P	CURRICULUM CONNECTIONS rovide curriculum that connects and supports utdoor learning through science, gardens, quaculture, agriculture.	
P	STUDENT CONNECTIONS rovide opportunity for students to connect vith each other in outdoor learning	6

JTDOOR LEARNING DESIGN CHECKLIST				
E	DESIGN CONSIDERATION	NOTES		
	8. STAFF/PARENT/NON-PROFIT + COMMUNITY CONNECTIONS Provide opportunities for stakeholders to connect with local and regional non-profits to enhance outdoor learning.			
	9. NATURAL FORMS CONNECTIONS Provide natural forms to enhance connections with nature.			
	10. SOCIAL CONNECTIONS  Provide interactive forms for greater connections and collaboration (moveable furniture, boulders, amphitheater).			
	II. BIOPHILIC CONNECTIONS Visual/non-visual, sensory, water, light, atmosphere, forms, patterns, mystery, risk.			
	12.TECHNICAL + SCIENTIFIC CONNECTIONS  Provide connections to natural systems that support technical and scientific learning (solar system, habitat, biofiltration gardens).			
	I3.ART CONNECTIONS  Celebrate local art in the environment to begin a dialog about creative outdoor spaces.			
	14. FLEXIBLE CONNECTIONS  Provide spaces that support a variety of groups and educational uses (moveable furniture, lighting, planting, signage).			





The Children and Nature Network

(http://www.childrenandnature.org/initiatives/schoolyards)

The Edible Schoolyard Network

(http://edibleschoolyard.org)

**Green Schoolyards America** 

(http://www.greenschoolyards.org)

Green Teacher Magazine: Education for Planet Earth

(https://greenteacher.com)

International Green Schoolyards Alliance

(http://www.internationalschoolgrounds.org)

**Natural Living Initiative** 

(https://naturalearning.org/professor-robin-c-moore)

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# THANKS A4LE!

### **Contact Us**



408.224.9890



WWW.ARTIKA3.COM



JGOODMAN@SCU.EDU



Vicki Moore Founder & Board Member vickim@living-classroom.org



Linda Stevenin, M.Ed.
Learning Environment Specialist
Senior Architect
<a href="mailto:lstevenin@artika3.com">lstevenin@artika3.com</a>



Vince Lattanzio
Principal | ASLA
Landscape Architect
vince@carducciassociates.com



Dr. Jill Goodman Gould Senior Lecturer in English, Emerita & Education Liaison at Artik jgoodman@scu.edu