



HOW WILL SCUSD BENEFIT FROM A PARTNERSHIP WITH AEDIS ARCHITECTS?



A Bridge to Equity and Excellence



Senior Project Manager
Robert Rudd, LEED AP



Principal in Charge
Joe Vela, AIA



**Educational Planning
Director**
*Anna Harrison, ASID
LEED AP, ALEP*



Design Principal
*John Diffenderfer
AIA, LEED AP*



Agenda:

- MIND THE GAP
- BUILDING A BRIDGE
- SUCCESSFUL PROJECTS



Mind the Gap:



UNDERSTANDING THE SCUSD OF TODAY

SCUSD

ESTABLISHED 1854

40K +
STUDENTS

77
SCHOOLS

DIVERSE

70%
DISADVANTAGED

14%
STUDENTS W/
DISABILITIES



Sacramento City
UNIFIED SCHOOL DISTRICT



aedis
architects

Mind the Gap:



UNDERSTANDING THE SCUSD OF TOMORROW

CAPITAL
NEEDS

CTE

FINE AND
PERFORMING
ARTS

STEM

P.E. AND
ATHLETICS

SAFETY AND
ACCESSIBILITY



Mind the Gap:



UNDERSTANDING THE SCUSD OF TOMORROW

LCAP
GOALS

ENGAGING

HEALTHY

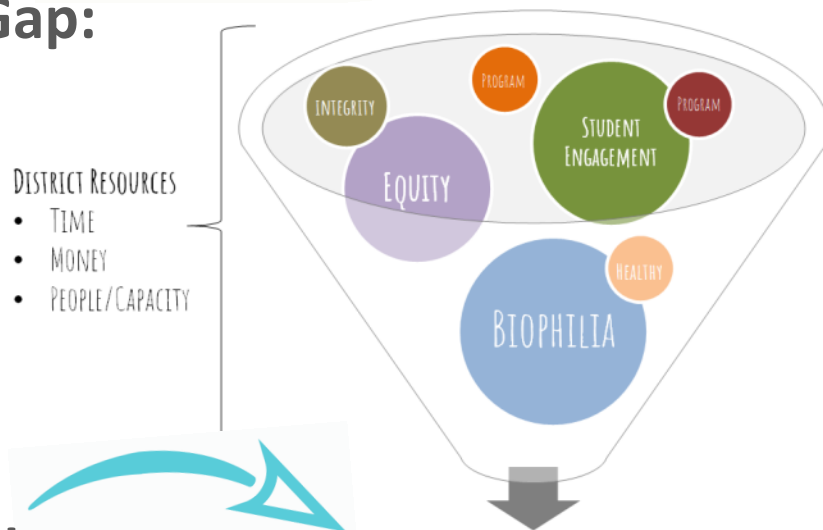
EQUITABLE

POSITIVE
BEHAVIOR

TRAUMA
SENSITIVE



Mind the Gap:



Build a Bridge:

EQUITY AND EXCELLENCE IN THE
PHYSICAL ENVIRONMENT





Building a Bridge:

BENEFITS OF A PARTNERSHIP WITH AEDIS

- SIX DECADES OF EXPERIENCE
- INNOVATION TOOLS





Building a Bridge:

STICKING TO THE PLAN

SCHEDULES &
BUDGET

Project Planning Strategies

- Rely on clear objectives
- Collaborate with District
- Cost estimating throughout the process
- Make design decisions that facilitate speed
- Increase team capacity
- Value engineering





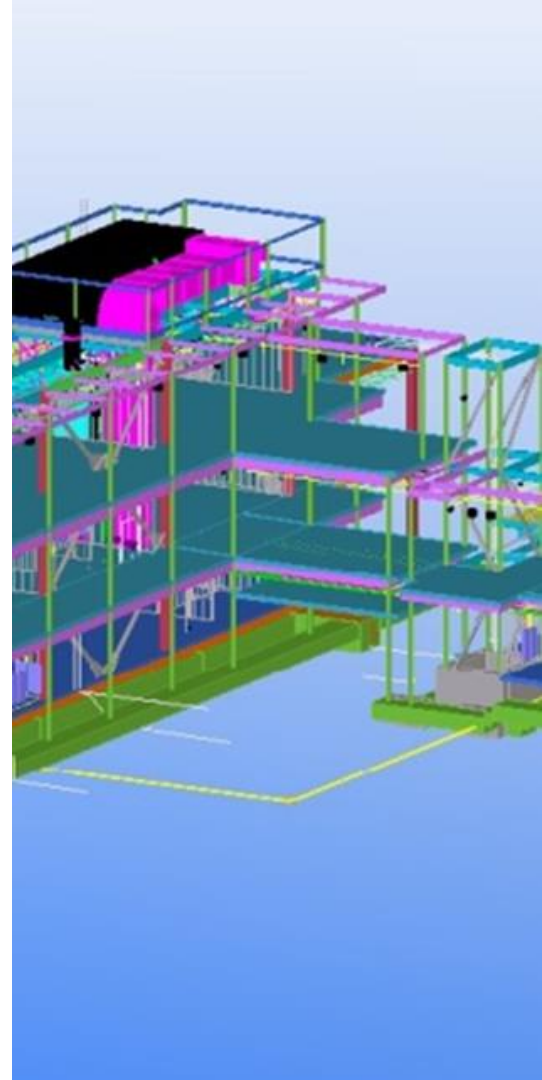
Building a Bridge:

TEAM SPIRIT

CONSULTANT
COORDINATION &
DESIGN
DOCUMENTATION

Collaboration Strategies

- Clear understanding of goals and expectations
- Continuous communication
- Shared Building-Information-Models (3-D BIM)
- Milestone reviews with the District
- Quality Assurance/Quality Control checks





Building the Bridge:

NAVIGATING THE BUREAUCRACY

AGENCIES & APPROVALS

Compliance Strategies

- Identify project type and relevant agencies
- Advocate for state funding
- Request preliminary reviews and avoid pitfalls
- Maintain transparency with District





Building a Bridge:

DELIVERY METHODS

FIT FOR PURPOSE

Procurement Strategies

- Examine benefits of alternative methods with District
- Engage contractor or CMs early in design for constructability and value engineering





Building a Bridge:

SEEING IT COME ALIVE

CONSTRUCTION
ADMINISTRATION

Construction Administration Strategies:

- Timely responses to RFIs, Submittals, etc.
- Periodic site visits / OAC meetings
- Publish school calendar, safety, and noise disclosures in Bid Package for active campus
- Consider project as LEARNING opportunity





Building a Bridge:

CLOSE-OUT

THE LAST MILE

Close-out Strategies:

- Maintain appropriate records
- Communicate with Project Inspector(s)
- Process timely of Construction Change Docs (CCDs)
- Be active with DSA BOX uploads and Cards





Building a Bridge:

STAYING SAFE

Safe School Strategies:

- Approach & Single Point Of Entry
- Surveillance & Access Control
- Site Layout & Landscaping
- Architecture & Glazing
- Territorial Reinforcement & The Broken Window Theory

SAFETY &
SECURITY:
CPTED





Building a Bridge:

CONSERVE AND SERVE

GREEN
SCHOOLS

Green School Strategies:

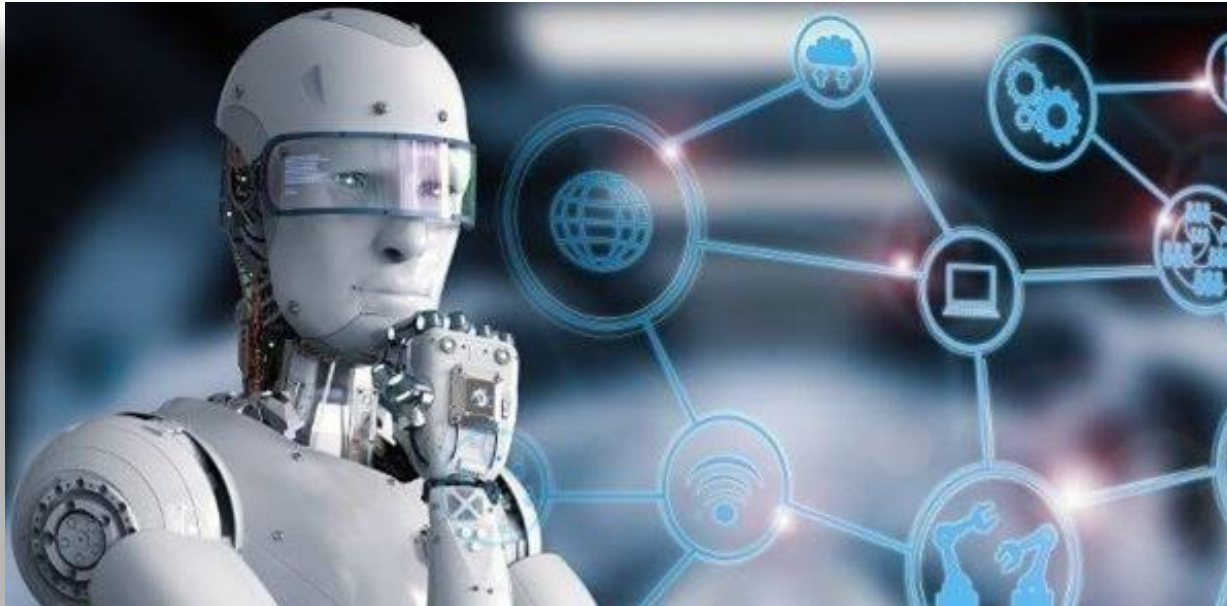
- Certifications, where able
- Zero Net Energy design approaches
- Biophilia for health, performance and efficiency
- Consider project as a LEARNING tool
- Community Involvement



Building the Bridge:



INNOVATION TOOLS



Building the Bridge:



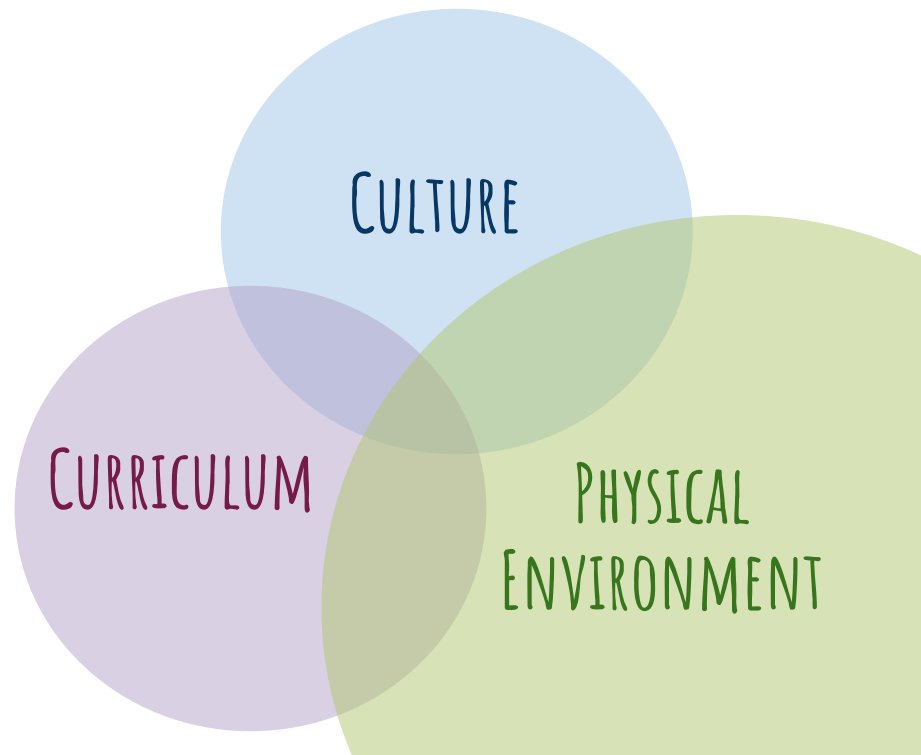
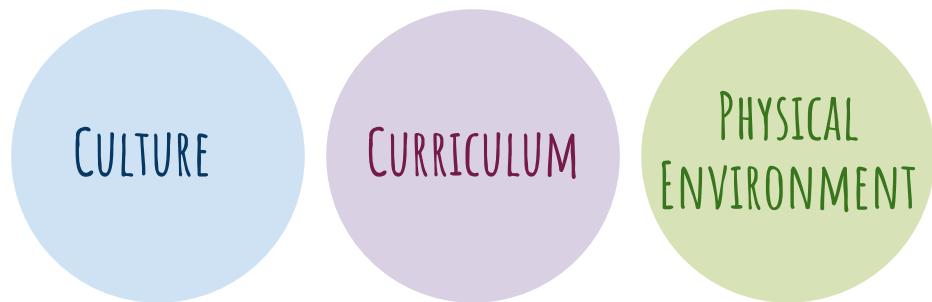
STAKEHOLDER ENGAGEMENT



Building the Bridge:

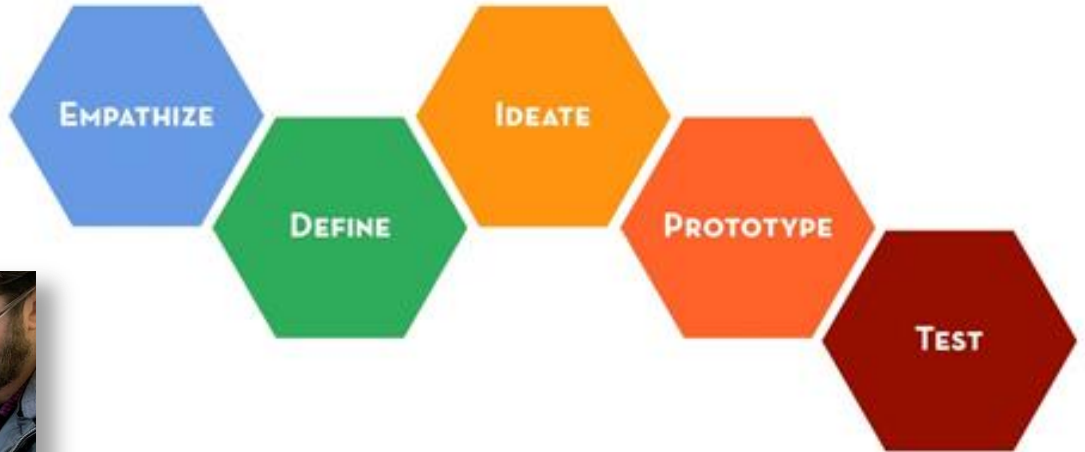


INTEGRATION



Building the Bridge:

DESIGN THINKING



Building the Bridge:

PRIMORDIAL SPACES



Watering hole



Mountain top



Sandpit



Cave



Campfire

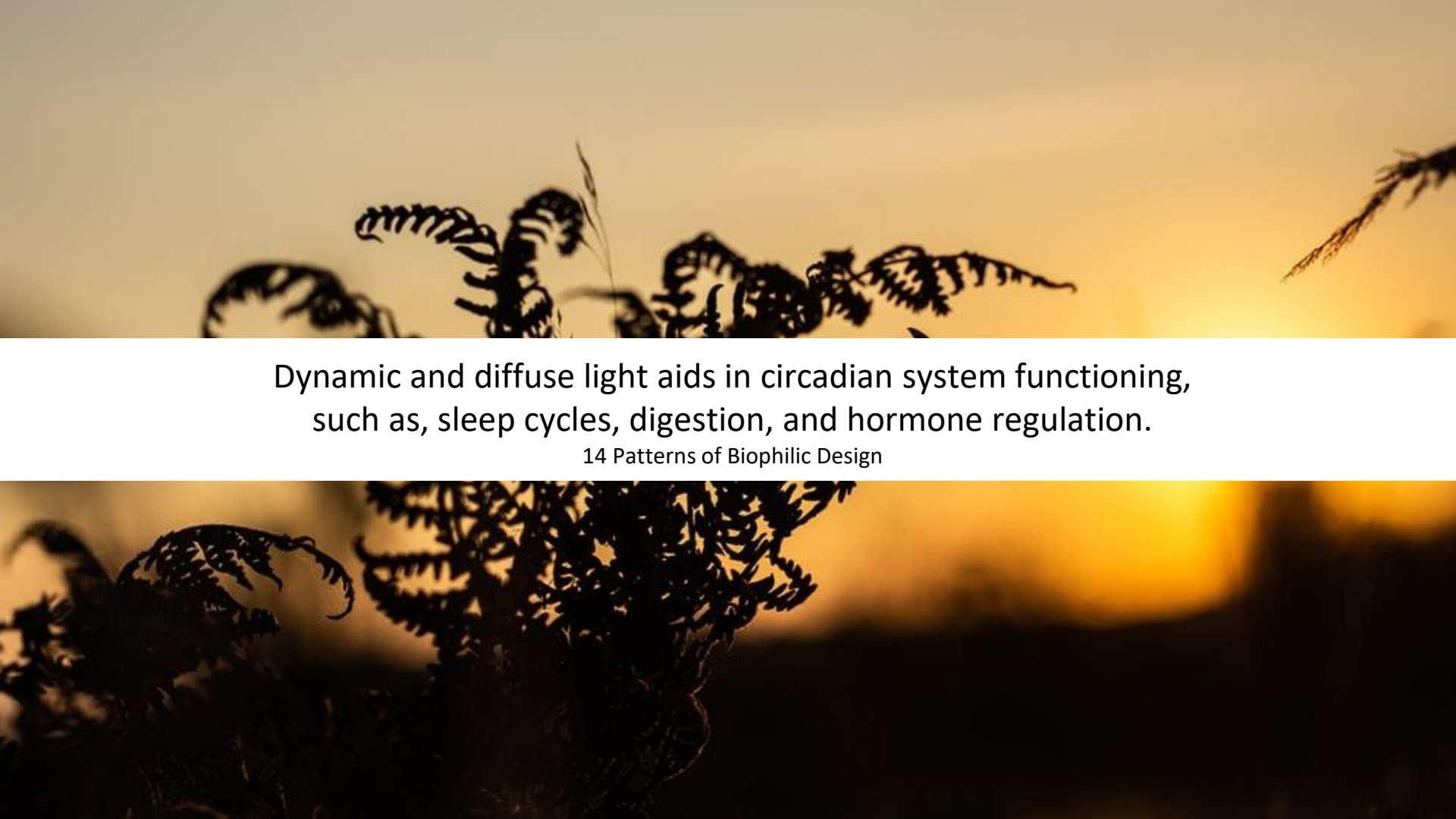


Building a Bridge:



BIOPHILIC DESIGN





Dynamic and diffuse light aids in circadian system functioning,
such as, sleep cycles, digestion, and hormone regulation.

14 Patterns of Biophilic Design



Adding greenery to interior learning spaces can lead to improved performance in spelling, mathematics and science by 10-14%.

Daly, Burchett & Torpy, 2010

Plants result in 30-60% reductions in feelings of stress and anxiety.

University of Technology Sydney






Colors provoke emotions, blues and cyan promote relaxation, green promotes creativity, red promotes excitement, yellow and orange promote energy and happiness.

The Ecological Valence Theory, Palmer & Schloss 2010





Students in classrooms with the most daylighting tested 7-18% higher than those with the least and demonstrated 20-26% faster learning rates.

The Economics of Biophilia

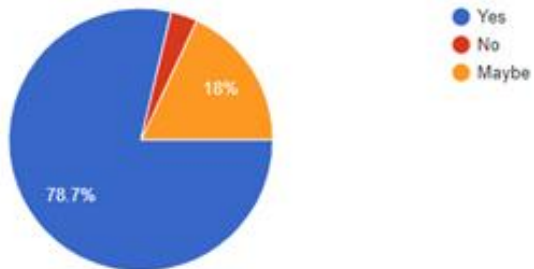
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Building a Bridge:

PILOT PROJECTS

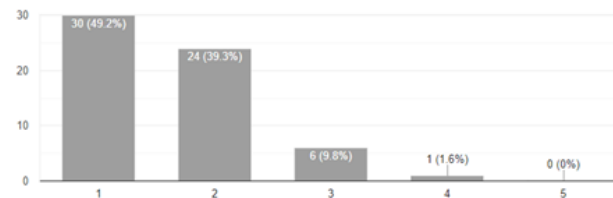
(SP) Do the flexible furniture arrangement options keep you more engaged in your learning environment?

61 responses



(MR) How easily does the furniture move for different student groupings?

61 responses



Successful Projects:



STAKEHOLDER ENGAGEMENT





Successful Projects:

BROWNELL MS





Successful Projects:

BROWNELL MS



Successful Projects:



PERFORMING AND FINE ARTS



Successful Projects:



PERFORMING AND FINE ARTS



Successful Projects:

P. E. AND ATHLETICS





Successful Projects:

P. E. AND ATHLETICS



Case Studies:



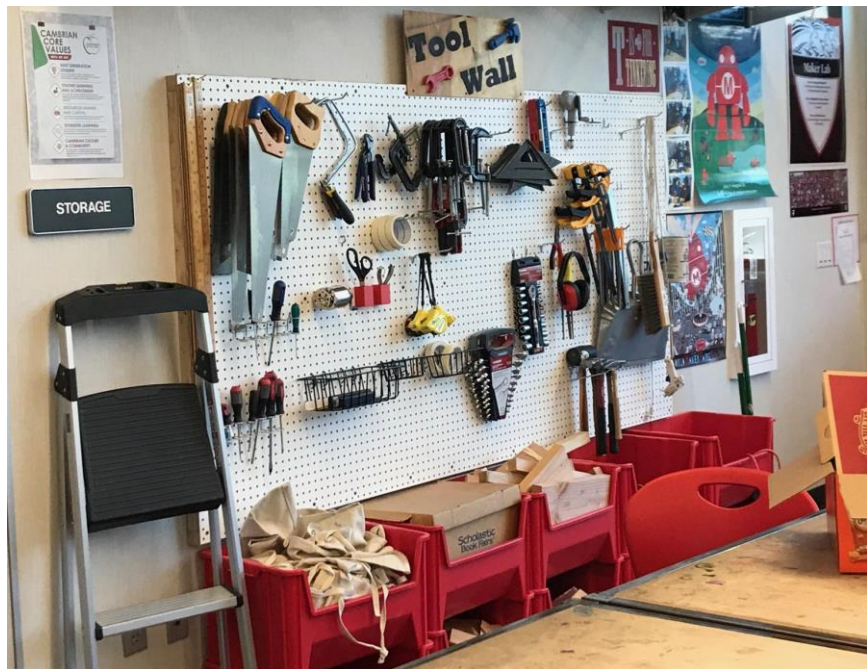
OUTDOOR LEARNING



Successful Projects:



STEM AND STEAM



Successful Projects:



SPECIALTY SCHOOLS

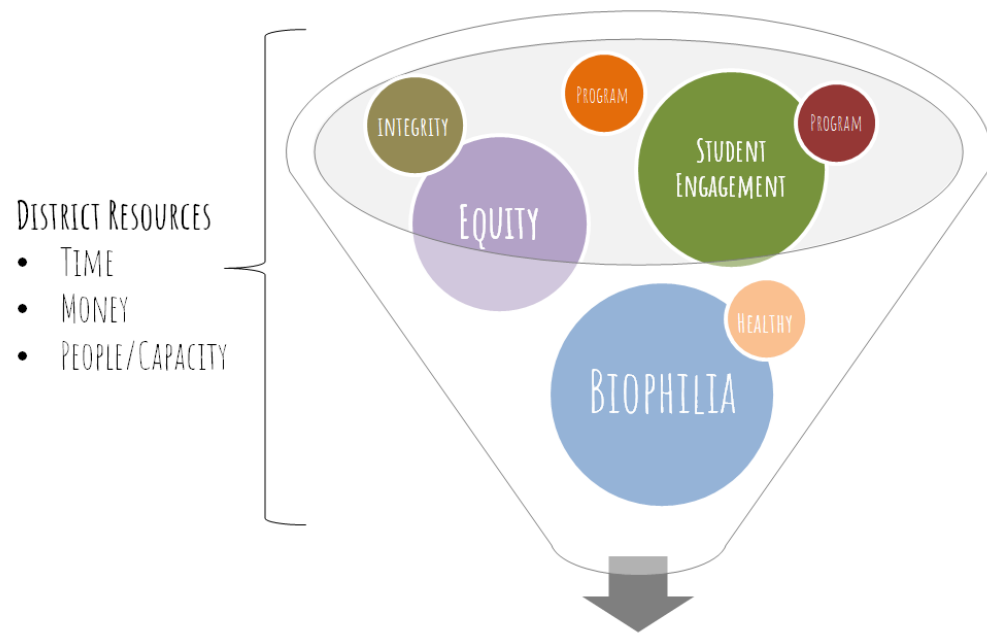


Successful Projects:



CAREER TECHNOLOGY





EQUITY AND EXCELLENCE IN THE
PHYSICAL ENVIRONMENT

Mind the gap

Building a Bridge

Successful Projects



Building A **Bridge** to Equity and Excellence Together

