

# North Monterey County Unified School District Facilities Master Plan

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*Steering Committee – Strategy Overview  
February 19, 2020*



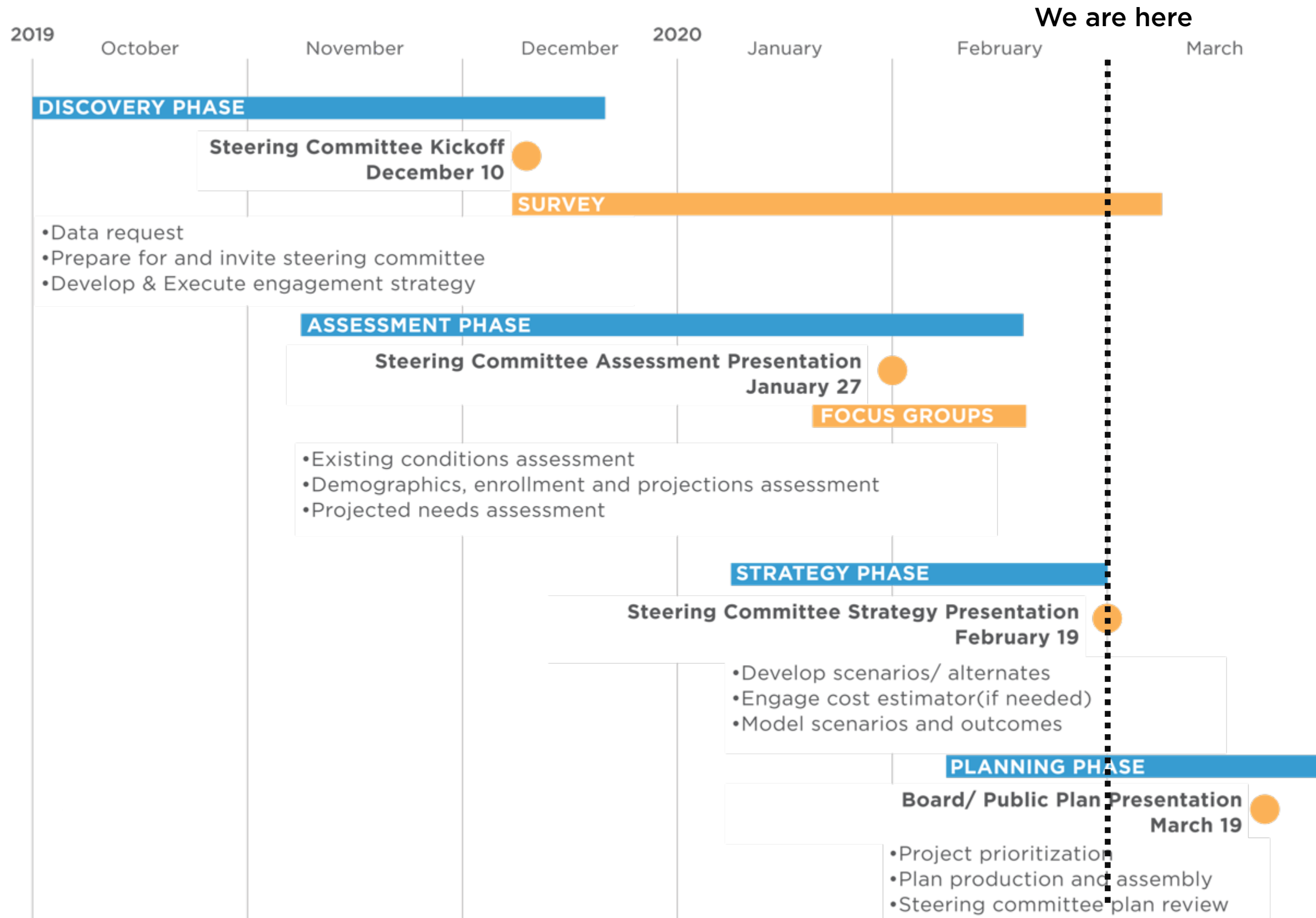
**THiNK**<sup>MK</sup>  
INTELLIGENT PLACES

# AGENDA

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- TIMELINE
- REFRESH: GUIDING PRINCIPLES
- FOCUS GROUP & SURVEY ENGAGEMENT UPDATE
- STRATEGIES
  - STRATEGIES WORKSHOP
- NEXT STEPS

# PROJECT TIMELINE



# GUIDING PRINCIPLES

- \* INTRODUCE STEAM PIECES "MAKER SPACES"
- \* LOOK FOR OPPORTUNITIES FOR SPACE
- \* NEED FOR FORMAL SPACE
- \* AFTER SCHOOL PROGRAM OFFER ONLY 80 STUDENTS
- \* AIR QUALITY IN SCHOOLS
- \* THERMAL COMFORT ISSUES CAUSING RAINING PROBLEMS WITH AIR QUALITY
- \* REPLACE PORTABLES - HIGH PRIORITY

ALL SCHOOLS HAVE EQUAL NEED

NO MORE DESKS AND ROOFS  
NEW MODELS OF FURNITURE  
MOVABLE FURNITURE  
LESS STUFF  
USING SPACE (WALLS ETC.) FOR INTERACTION

EQUITY

CREATE AND SUPPORT DIVERSE OUTDOOR SPACES

- \* DIFFERENT NEEDS FROM SCHOOLS  
↳ SITE SPECIFIC
- \* CLASSIFIED STAFF - STAFF MEETINGS
- \* PROVIDE EASY TOOLS
- \* PARENTS START COMING BACK BY MIDDLE OF FI

- \* ECHO VALLEY - BRING IN STUDENTS TO BUILD COMMUNITY
- \* LEAVING - DIFFERENT DEMOGRAPHICS - LEAVE MIDDLE SCHOOL
- \* 9/8 STUDENTS GO TO PRIVATE SCHOOL COMEBACK FOR SPORTS PROGRAMS 6/22 40% FROM TEAM WERE OUT OF DISTRICT
- \* BAD REP FOR MIDDLE SCHOOL
- \* HEADSH AND CURB APPEAL, FACILITIES

Science Partnership w/ College

MAXIMIZE COMFORT (LACK OF NATURAL LIGHT, SPACE)  
SPACE RELIEF  
TACTILE / SAFE PLACES + SAFE SPACES

1. CREATE ACTIVE LEARNING ENVIRONMENTS

2. OPTIMIZE USE OF INDOOR AND OUTDOOR SPACES FOR LEARNING, EXPLORATION, AND PLAY

3. PROVIDE SAFE, INVITING CAMPUSES THAT PROMOTE A SENSE OF BELONGING FOR ALL KIDS AND THEIR FAMILIES

4. ENHANCE THE IMAGE AND IDENTITY OF EACH SCHOOL SITE

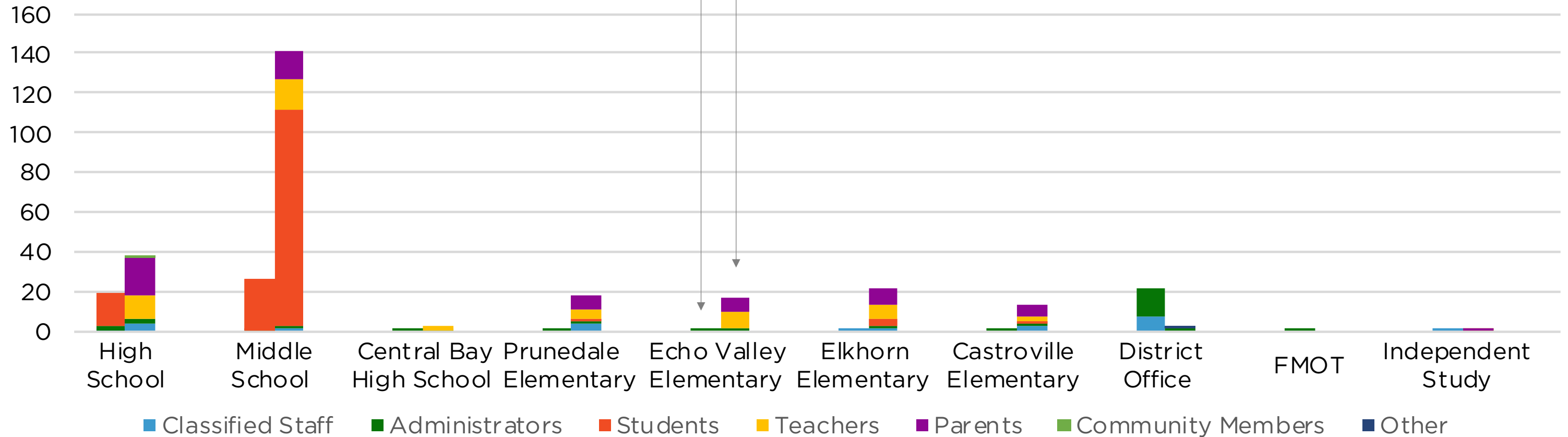
5. PROMOTE HEALTH AND WELLNESS

6. ENSURE FINANCIAL & OPERATIONAL SUSTAINABILITY

# ENGAGEMENT SUMMARY

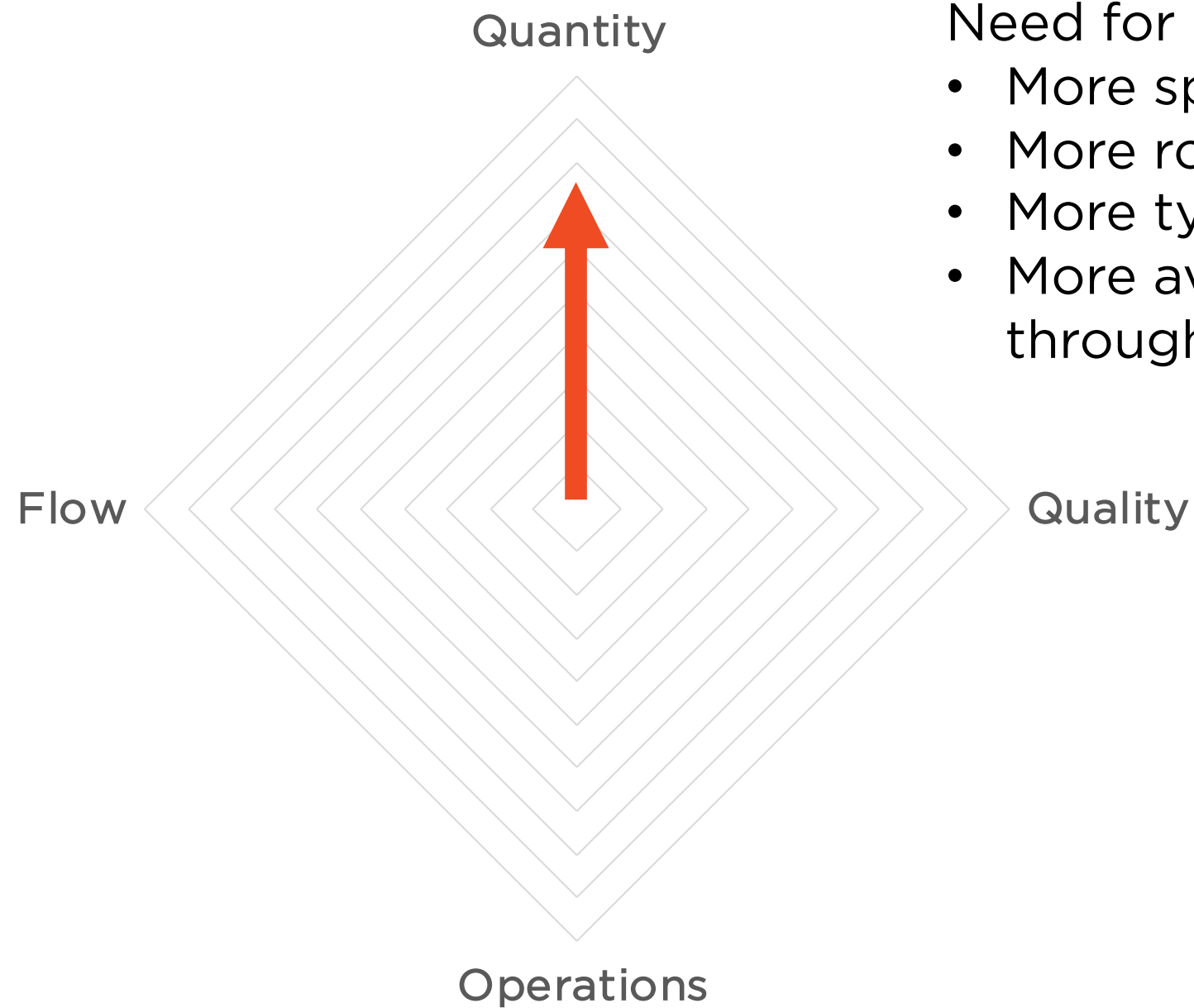
234 responses as of 2/13/19

- Right column: survey participation
- Left column: focus group participation



# ENGAGEMENT RESULTS BY SITE

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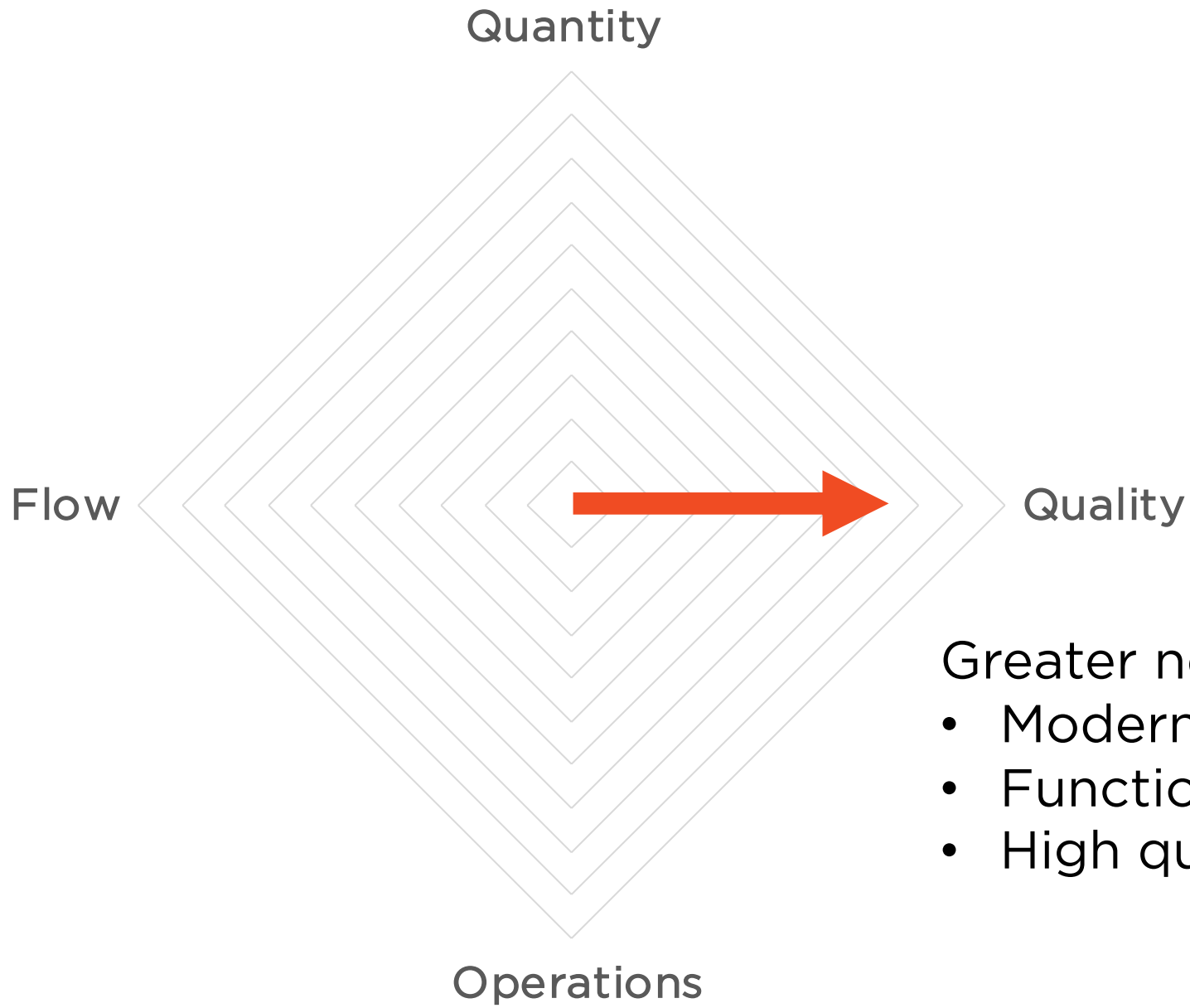


Need for quantity means:

- More space
- More rooms
- More types of spaces
- More available hours of use through efficient use

# ENGAGEMENT RESULTS BY SITE

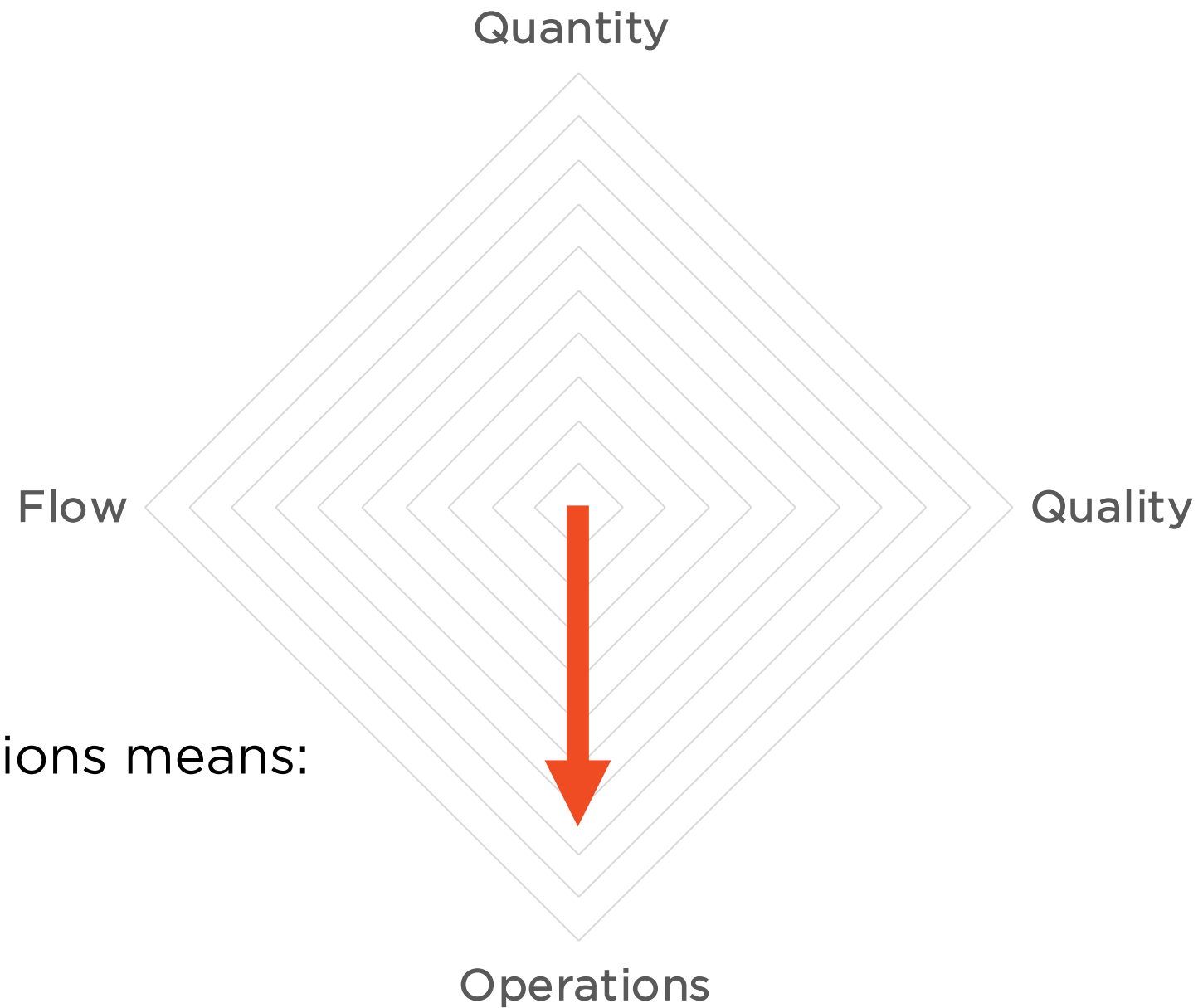
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- Greater need for quality means:
- Modern finishes and fixtures
  - Functional technology
  - High quality lighting and air

# ENGAGEMENT RESULTS BY SITE

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Need for better operations means:

- Energy efficiency
- Easier maintenance
- Cost savings
- Scheduling

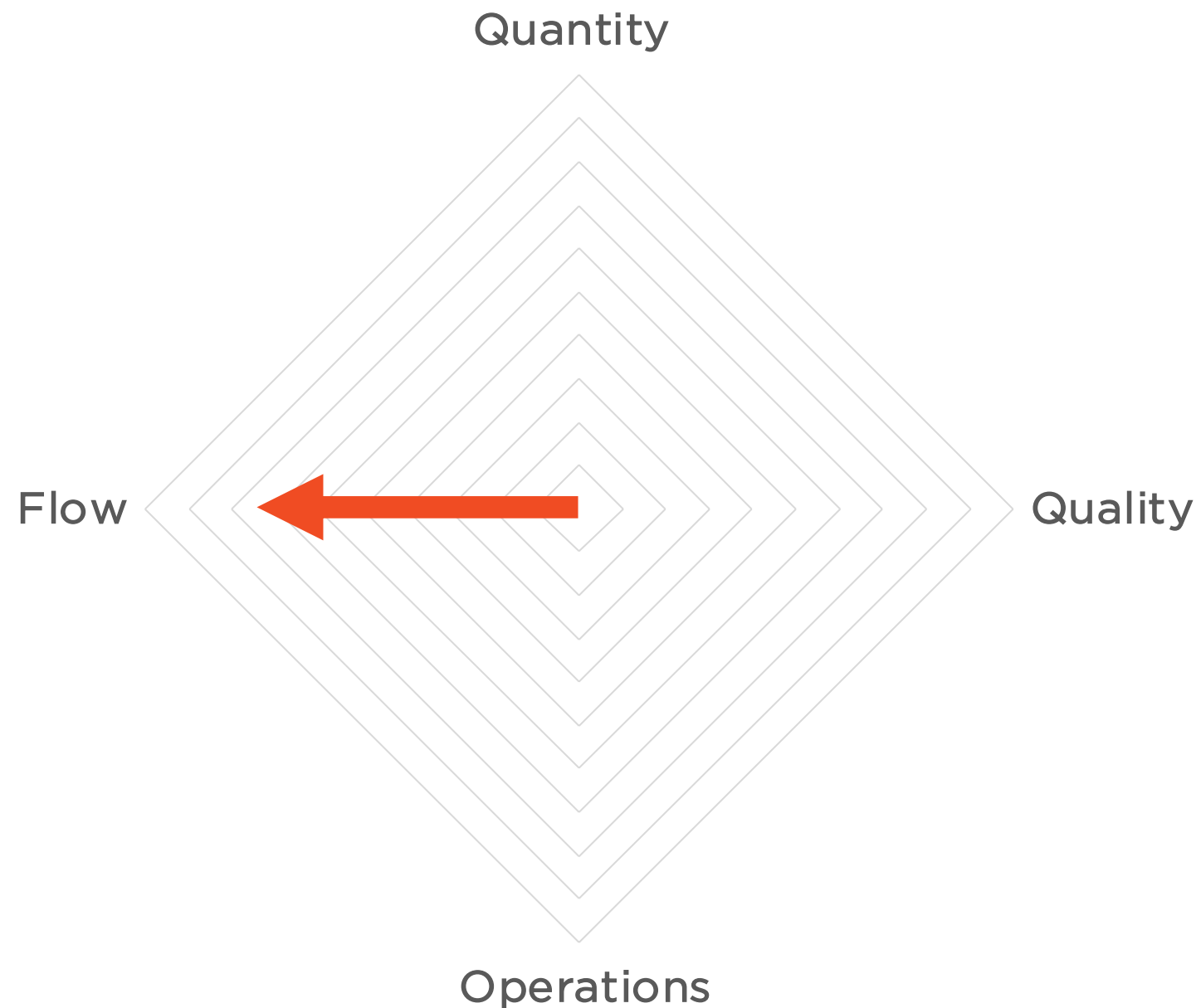


# ENGAGEMENT RESULTS BY SITE

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Need for better flow means:

- Logical arrangement of spaces at site
- Intuitive entry and circulation
- Logical arrangement of sites within the district



# FOCUS GROUP ENGAGEMENT SUMMARY

## Flow

Flow Of Students @  
Portables In Echo Valley

DROP OFF/  
PICK UP @ HS  
SECURITY  
QUANT SPACE

TOO MUCH TIME TAKEN  
TO GET BETWEEN CLASSES  
(RELOOK CLASS SCHEDULES)

## Operations

ELKHORN ELEMENTARY  
- INACCESSIBLE FACILITIES  
(PLAYGROUND, MMR-SHED)  
ALSO @ ALL SCHOOL SITES

NOT LEVERAGE  
PROXIMITY TO OCEAN

IMPLEMENT  
GN RESTROOMS

## Quantity

SPACE FOR NEW  
CURRICULUM

NOT ENOUGH  
QUIET SPACES

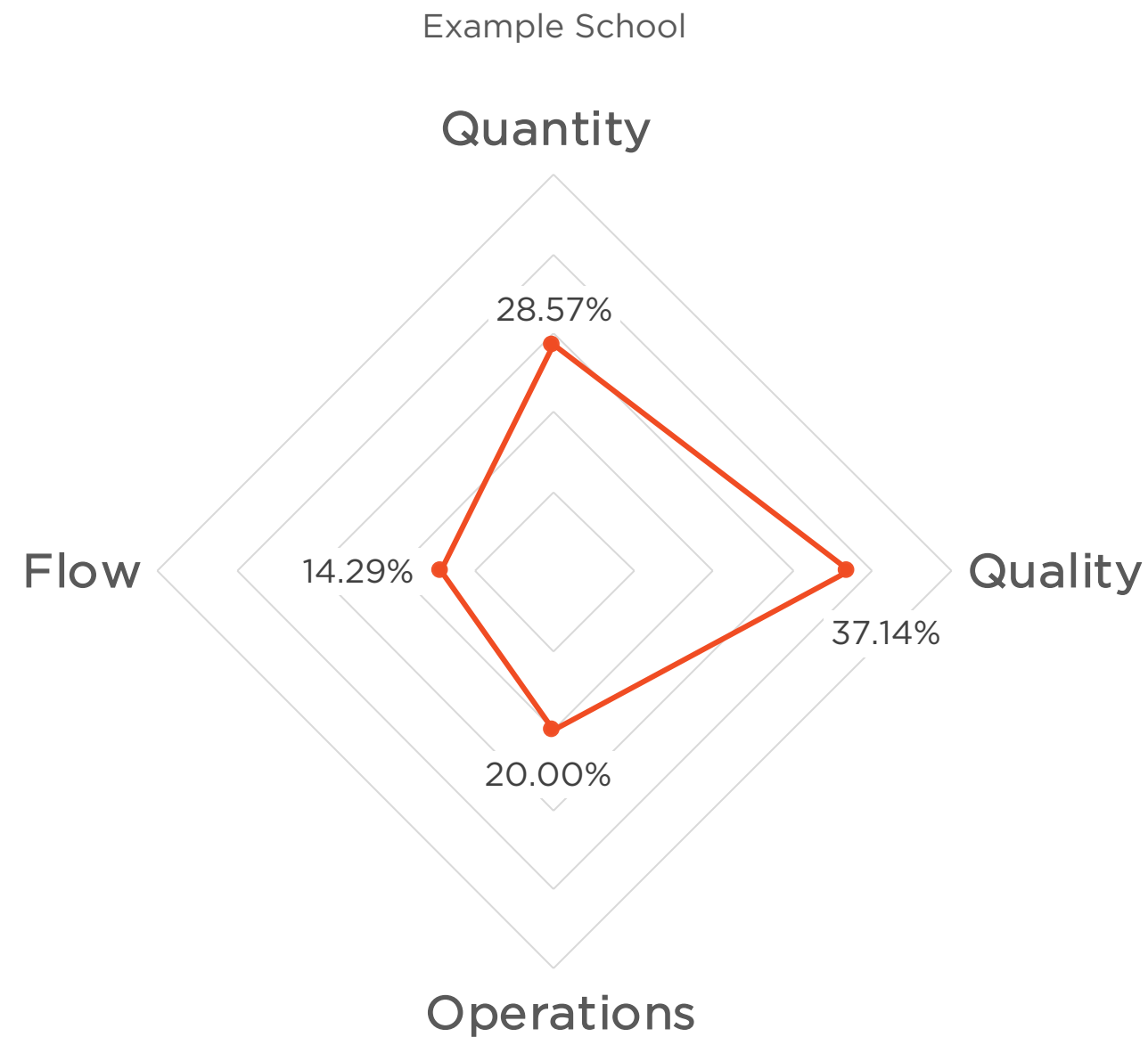
PLACE FOR STUDENT  
GATHERING

## Quality

UNIVERSAL DESIGN  
INCLUSIVE PDE SCHOOL  
ENVIRONMENTS

CULINARY CLASSROOM  
TOO HOT - NO AC  
- HS

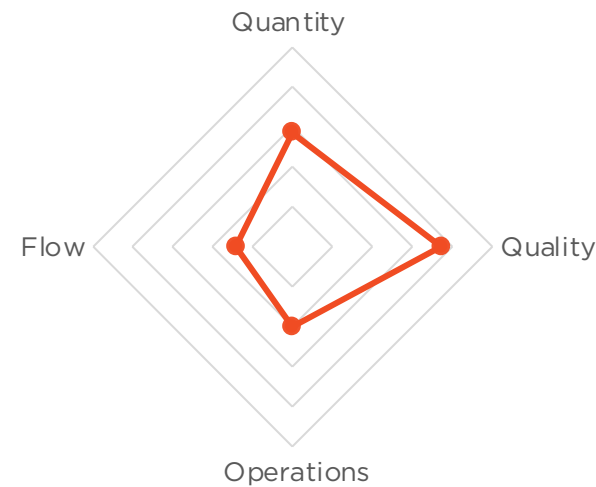
FURNITURE WITH PERSONAL  
SPACE & STORAGE



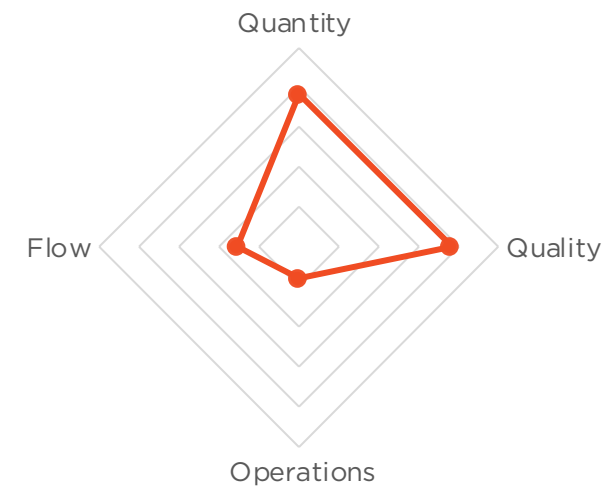
# FOCUS GROUP – SITE NEEDS

- All sites have needs related to quantity
- All sites have needs related to quality
- Needs related to operations and flow vary across the district.

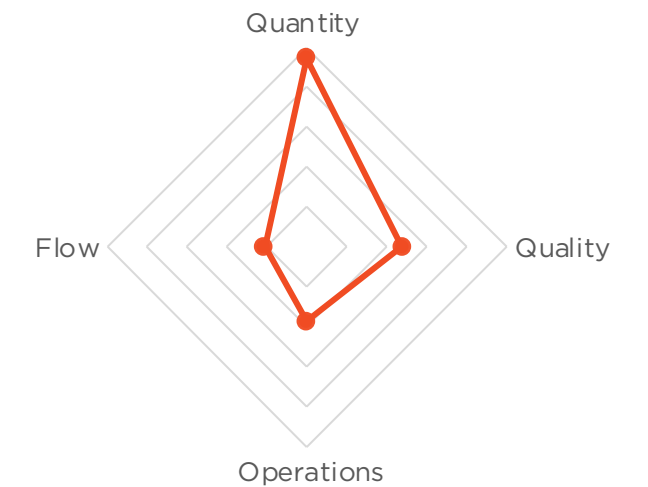
NMC High School



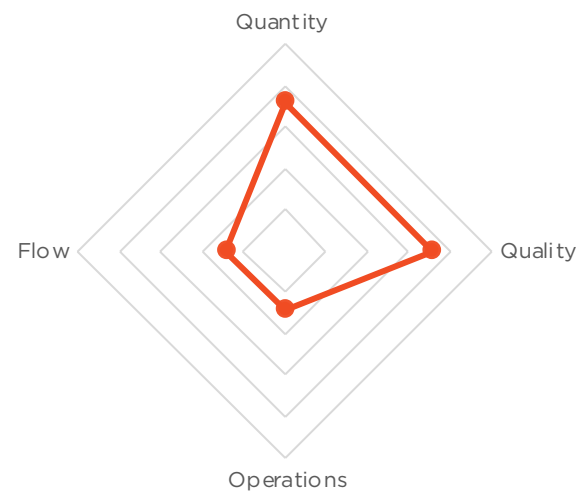
Central Bay High School



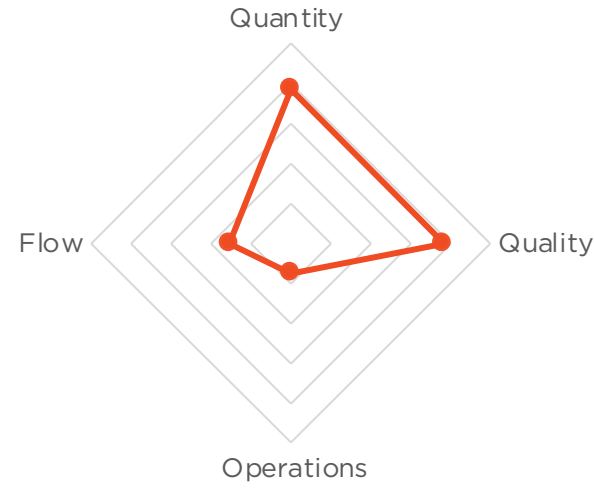
NMC Middle School



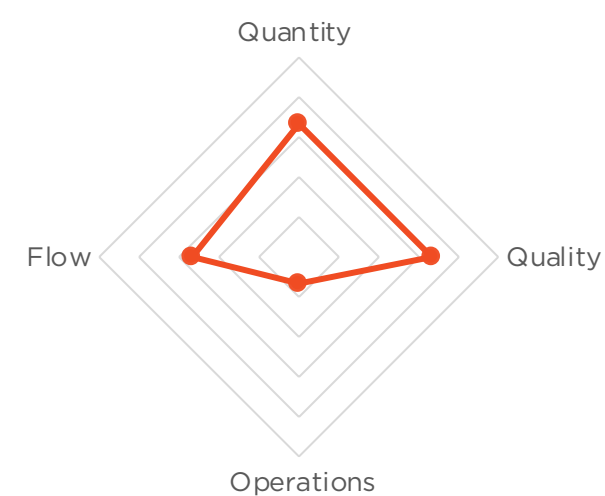
Castroville Elementary



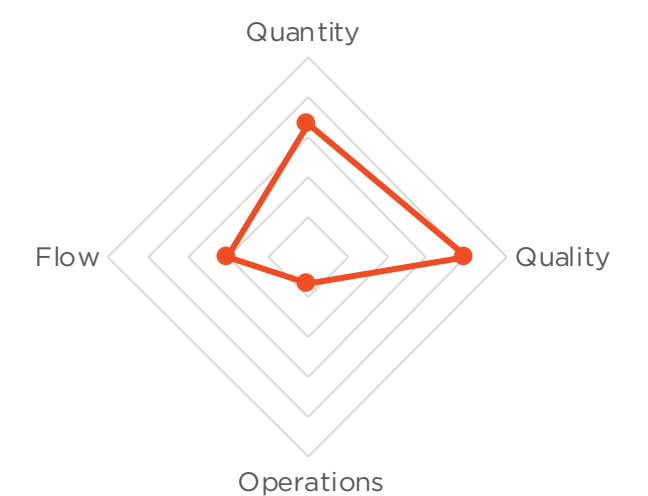
Prunedale Elementary



Echo Valley Elementary

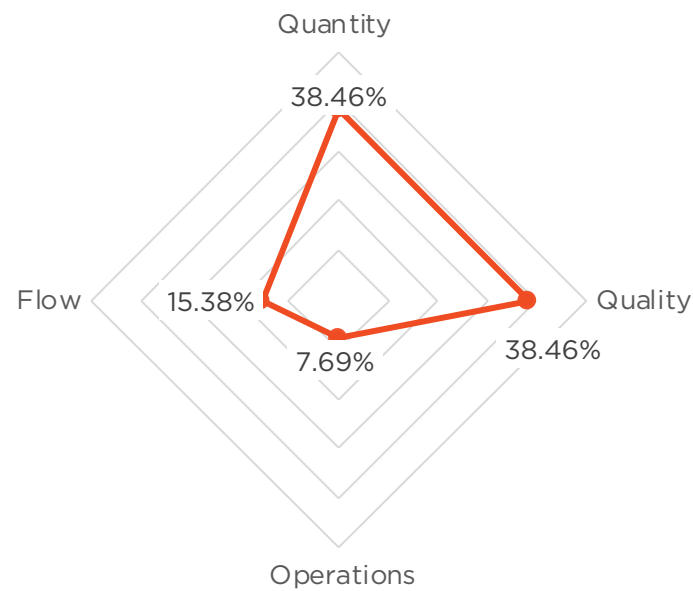


Elkhorn Elementary



# ELEMENTARY SCHOOLS OVERVIEW

Prunedale Elementary



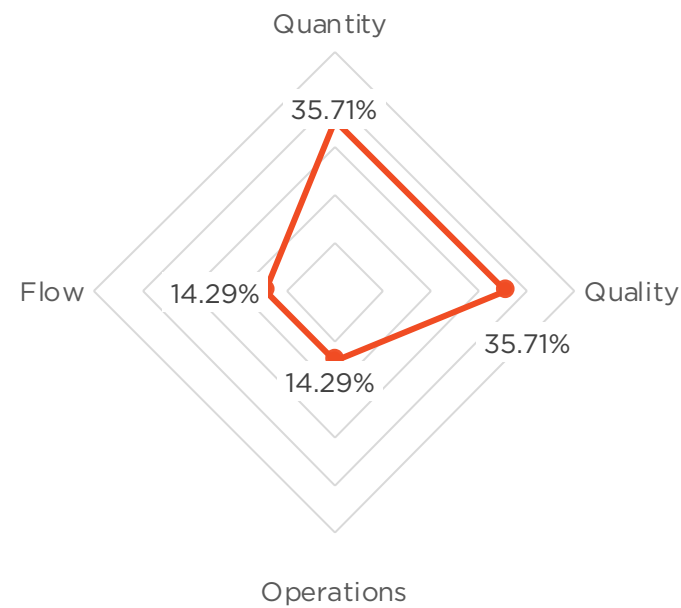
Students: 669

Classrooms: ~37

*“portables have to go”*

*“lack of accessible facilities for community members”*

Castroville Elementary



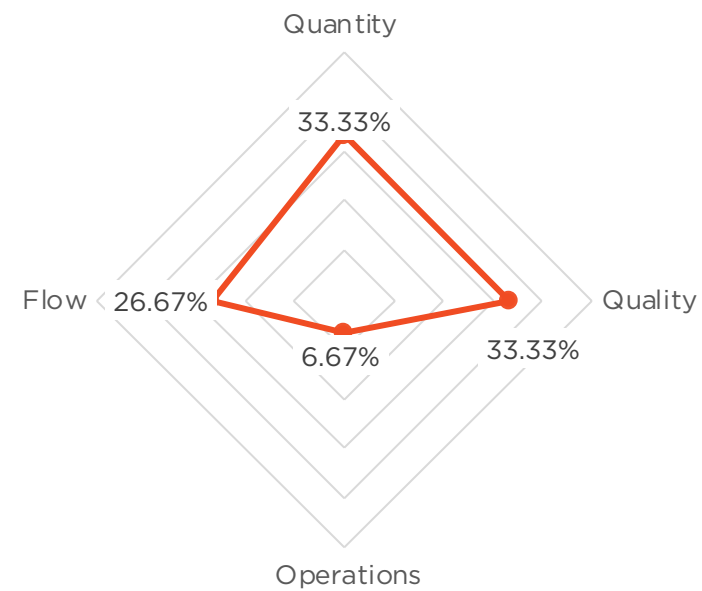
Students: 624

Classrooms: ~34

*“hard to monitor multiple entry points”*

*“inadequate MPR”*

Echo Valley Elementary



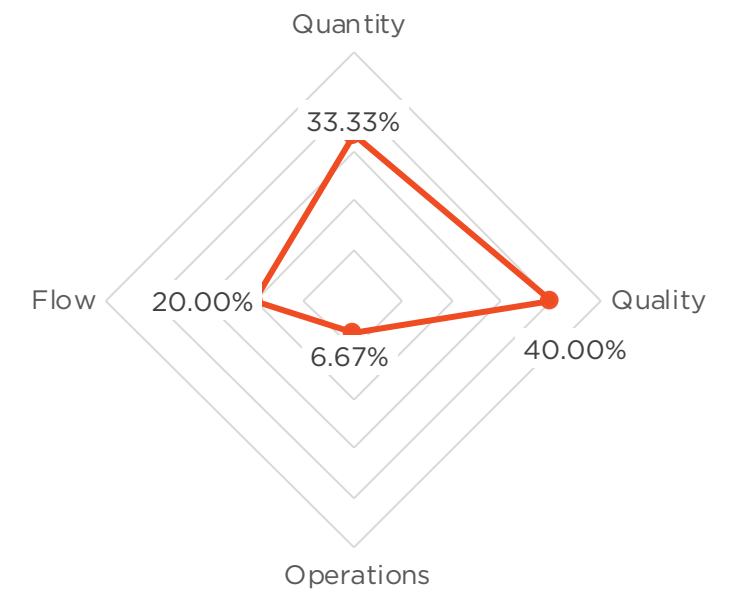
Students: 492

Classrooms: ~29

*“flow of students to portables”*

*“needs accessibility upgrades”*

Elkhorn Elementary



Students: 698

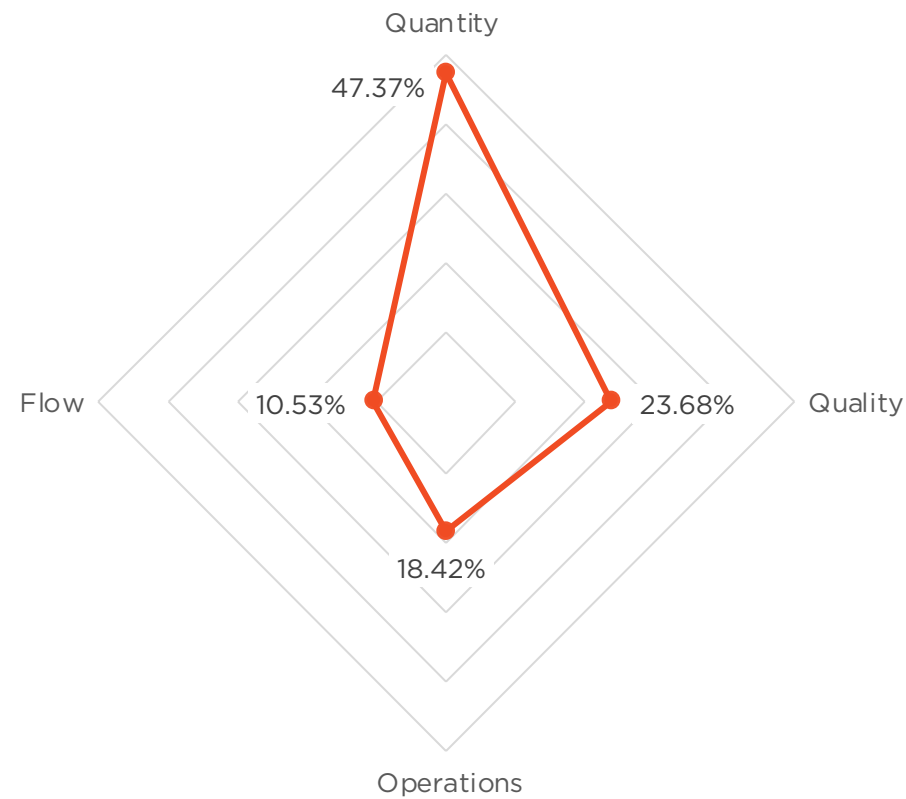
Classrooms: ~35

*“inaccessible facilities - stage at MPR, playground”*

*“highest number of portables, affects image of school”*

# MIDDLE SCHOOL & CENTRAL BAY

NMC Middle School



Students: 682

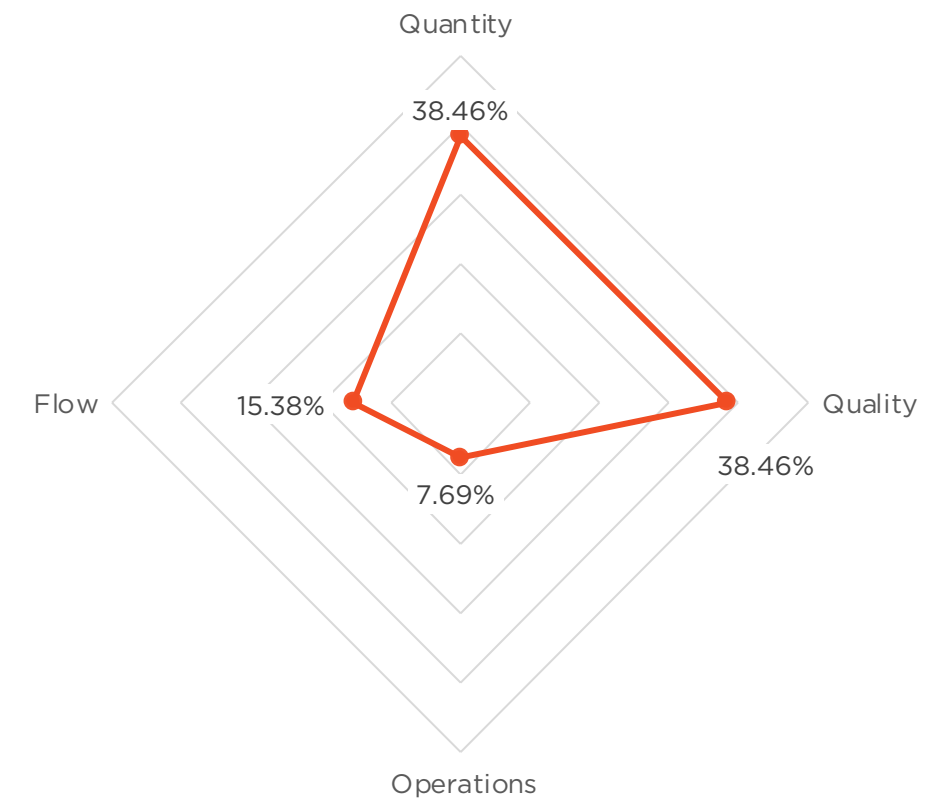
Classrooms: ~36

*“not enough space during lunch”*

*“no space to conduct rallies”*

*“library and MPR insufficient for middle schoolers”*

Central Bay High School



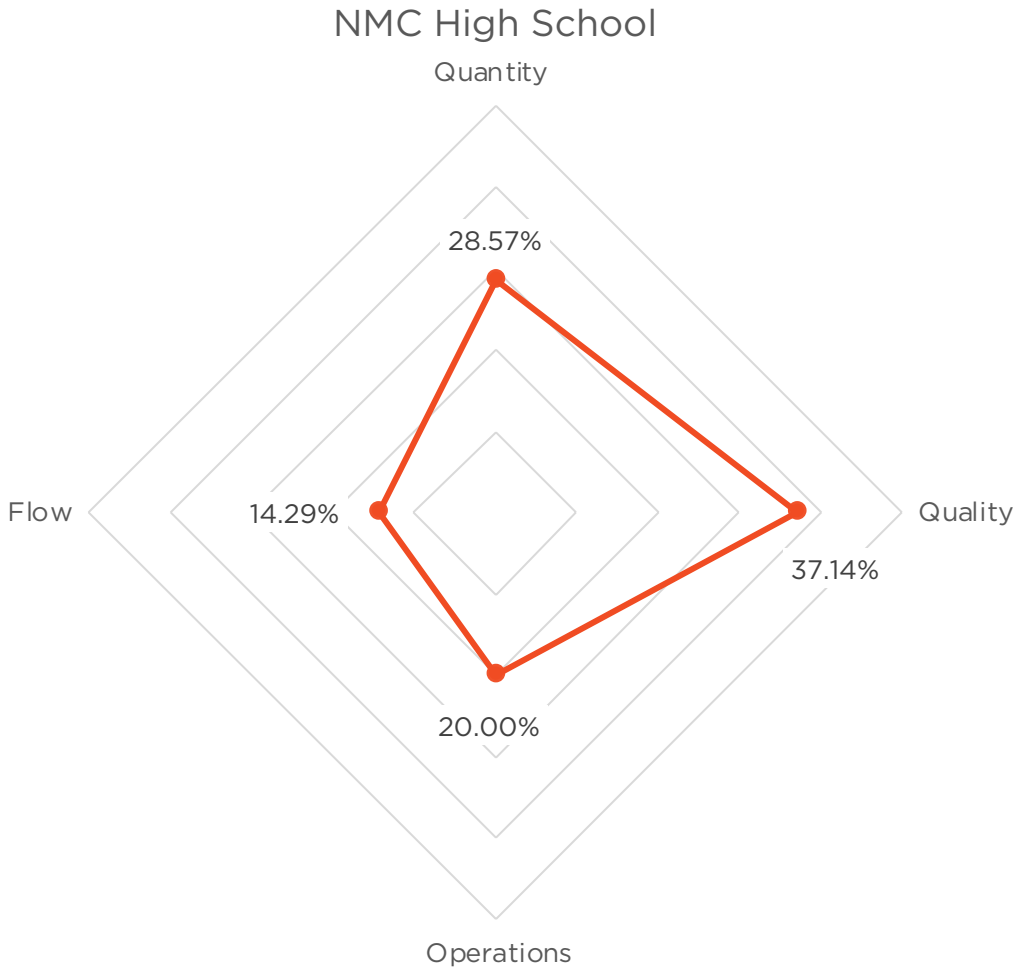
Students: 167

Classrooms: ~9

*“space for new curriculum”*

*“poor signage and branding”*

# HIGH SCHOOL



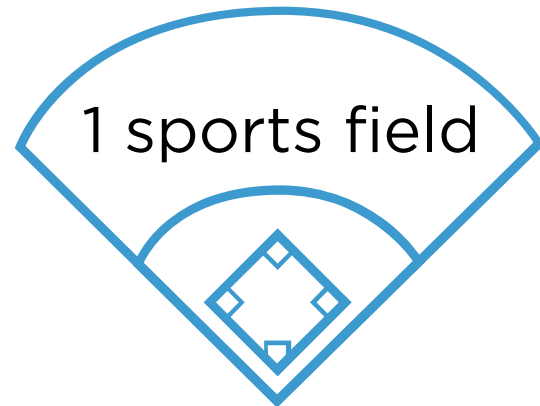
Students: 1263

Classrooms: ~62

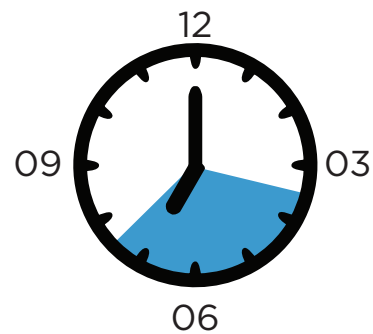
*“nonfunctional nursing (CTE) rooms”*

*“[poor] acoustics between classrooms”*

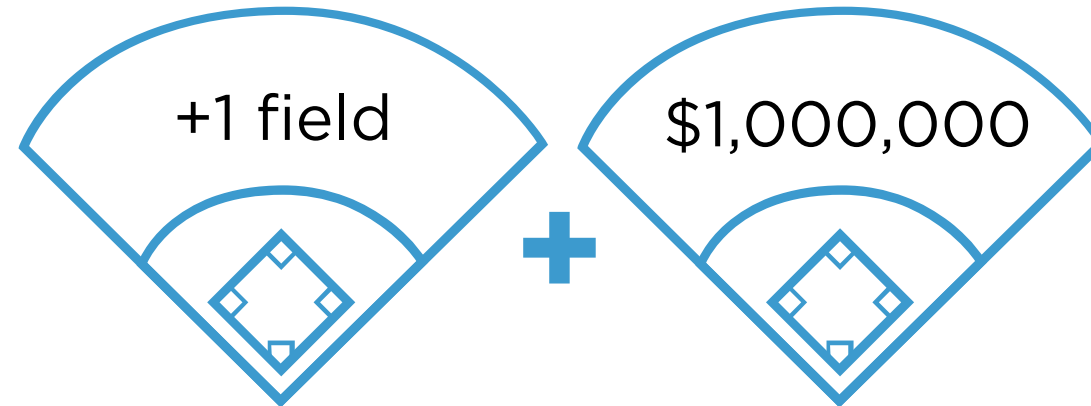
# STRATEGY 1 (QUANTITY): MAXIMIZE HOURS OF AVAILABLE USE OF SPORTS FIELDS



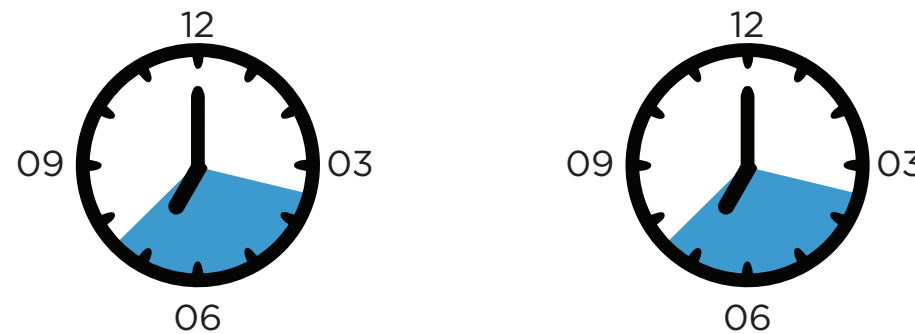
In use 4hrs/day 180 days/year



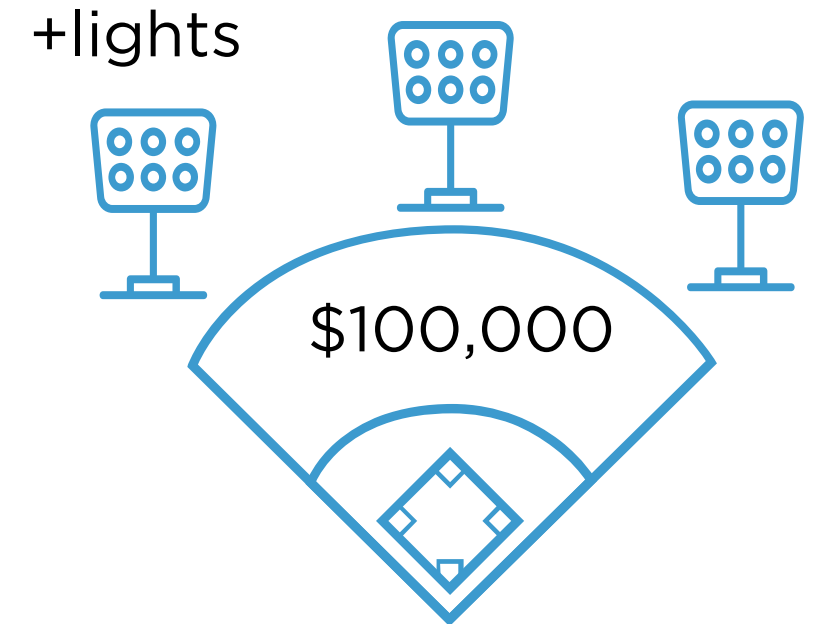
7200 hours of use over 10 years



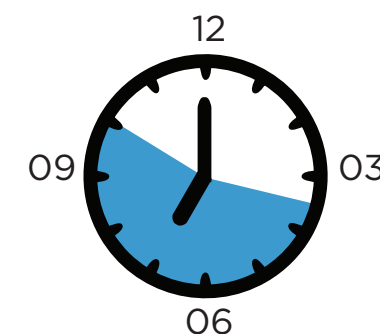
In use 8hrs/day 180 days/year



For 100% more hours of use over 10 years, a new field costs \$70 per hour of use.



In use 6.5hrs/day 180 days/year



To add 63% more hours of use over 10 years, lights cost \$9 per hour of use.

# STRATEGY 2 (QUANTITY): REDUCE LOAD ON MULTI-PURPOSE ROOMS/CAFETERIAS

## Elementary School

- Continue providing multiple lunch services
- Create group dining areas indoors and outdoors where possible

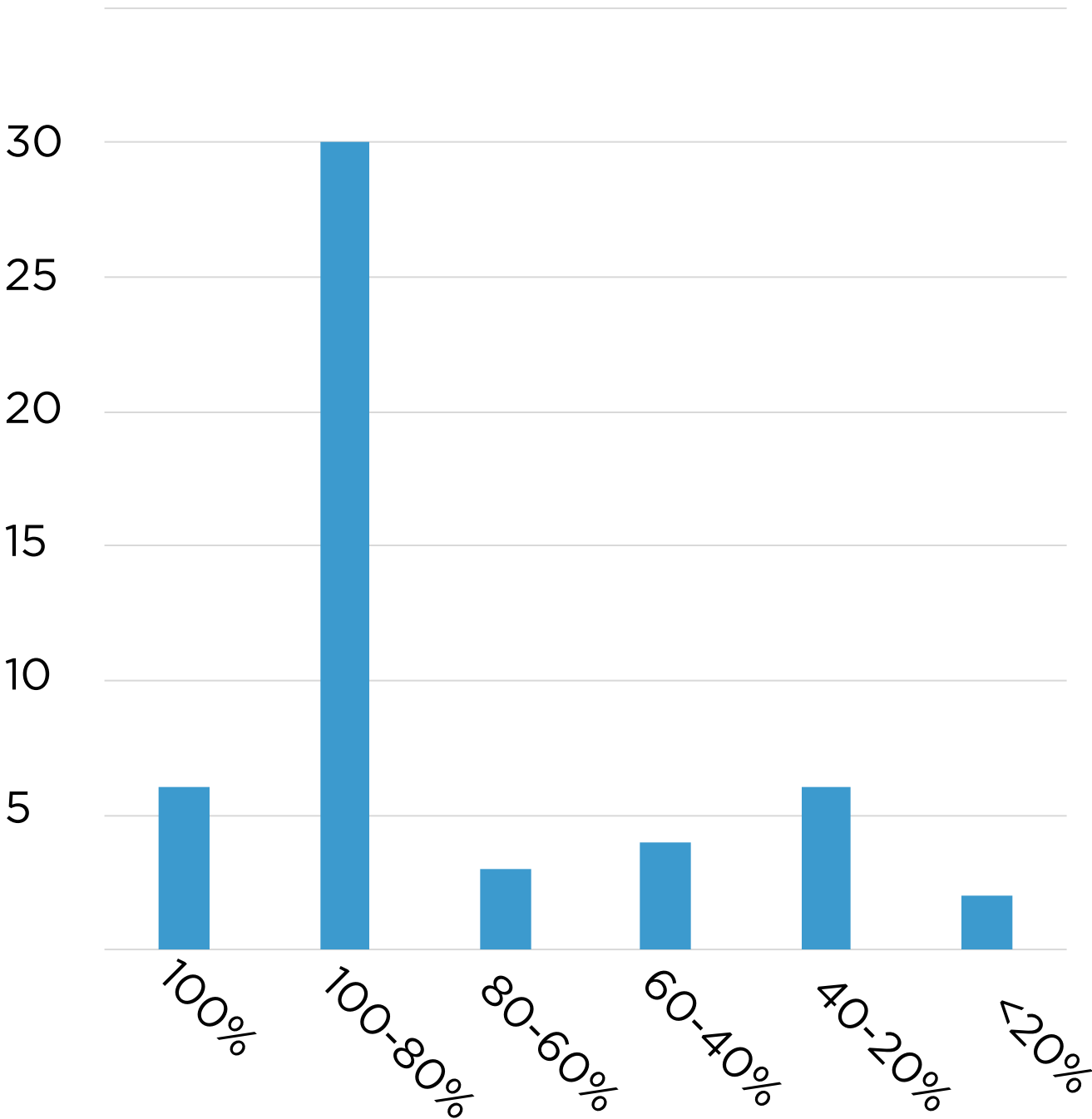
## Middle School & High School

- Create drop-down space outside of cafeteria
- Reconfigurable furniture
- Provide additional “grab-and-go” options
- Create informal dining areas where possible
- Provide multiple lunch services





# STRATEGY 3 (QUANTITY): PROVIDE TEACHER PREP AREAS AT THE HIGH SCHOOL AND PROMOTE SHARED CLASSROOMS

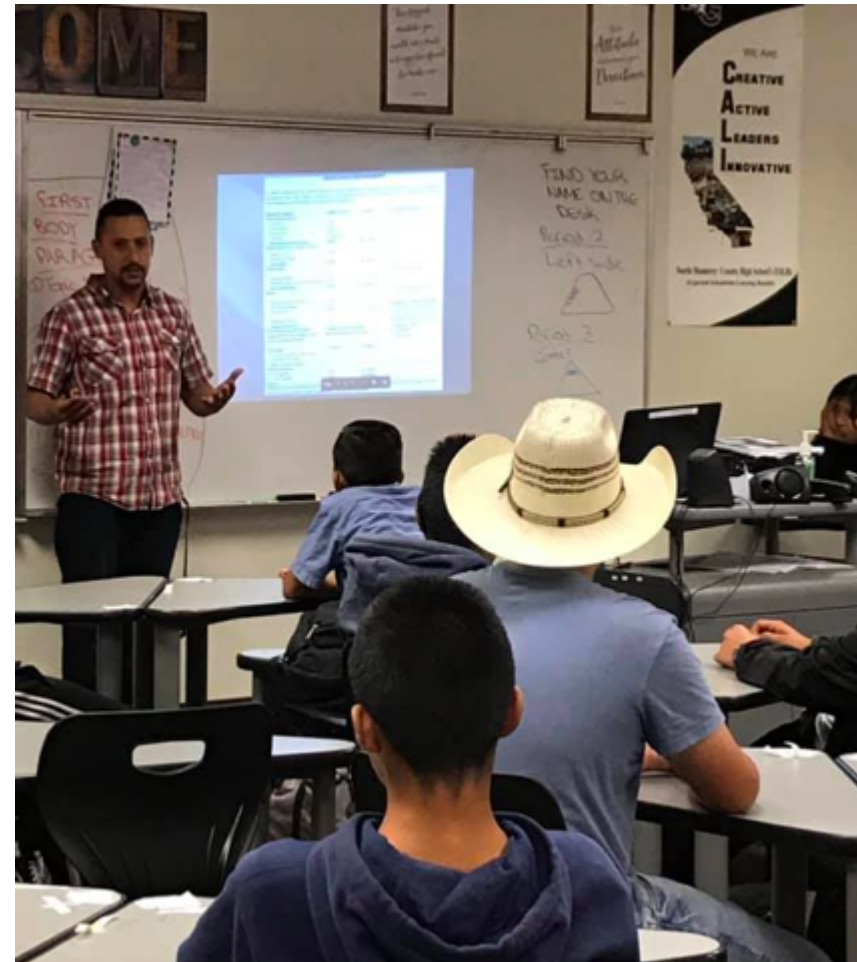


## North Monterey High School

- Average room utilization is 73% -- with some spaces in use all 6 periods per day.
- To further increase utilization, teacher prep must take place in rooms outside of classrooms.
- Converting one classroom or an underutilized space to a teacher prep area may allow for increased classroom use.

# STRATEGY 4 (QUALITY)

## ACTIVE LEARNING ENVIRONMENTS AND ARTS INTEGRATION



**Classroom in NMC High School** (source: NMCHS Facebook Page):

- Moderately flexible furniture
- Crowded space limits ability to reconfigure room
- Limited technology

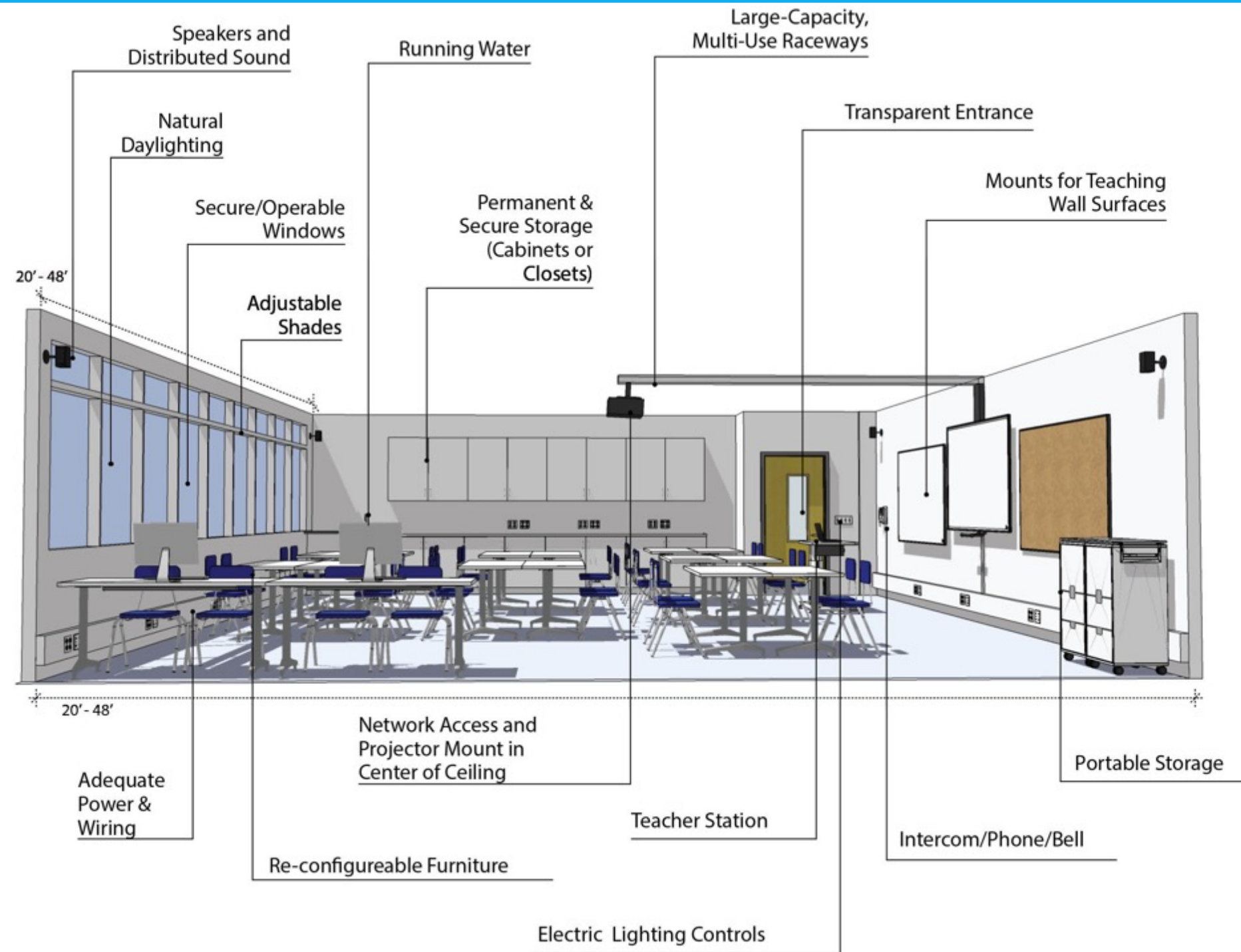
**NMC High School Tech Center** (source: Monterey County Weekly):

- Flexible furniture
- Plentiful storage
- Adaptable technology

# STRATEGY 4 (QUALITY): ACTIVE LEARNING ENVIRONMENTS AND ARTS INTEGRATION

## Design Guidelines/Ed Specs for Active Learning Space

- *Lightweight, easily moveable furniture*
- *Lots of space and natural lighting*
- *Accessible technology*
- *Open storage for projects*



# STRATEGY 5 (QUALITY): PORTABLES REPLACEMENT

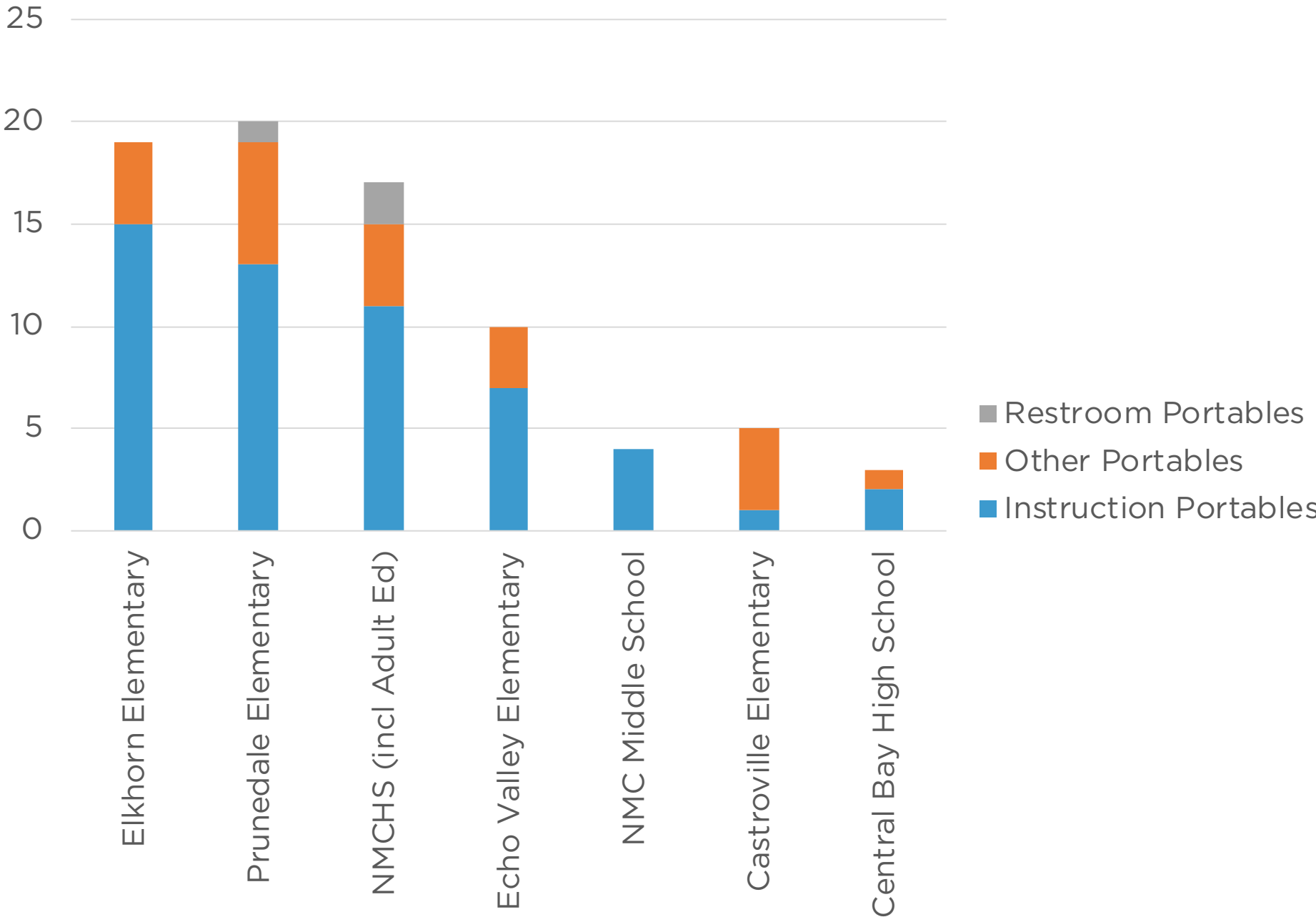
## Priority Replacements

- Those in the worst condition
- Site with the highest number of portables
- Sites that could relieve crowding at other schools

## Replace with:

- Permanent traditional construction
- Prefab buildings

Number of Portables By Site



# STRATEGY 6 (QUALITY): ADDRESS AIR QUALITY & ENERGY EFFICIENCY

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## Deal with Hot Classrooms

- Passive Cooling
- Air Conditioning

## Filter Air When Needed

- Plan for periodic poor air quality
- Designate clean air sanctuaries
- Reduce CO2 in classrooms

## Watch the Electricity Bill

- Consider Photovoltaic AC
- Microgrids & Storage



# STRATEGY 7 (OPERATIONS): PRE-EMPTIVELY MITIGATE RISK

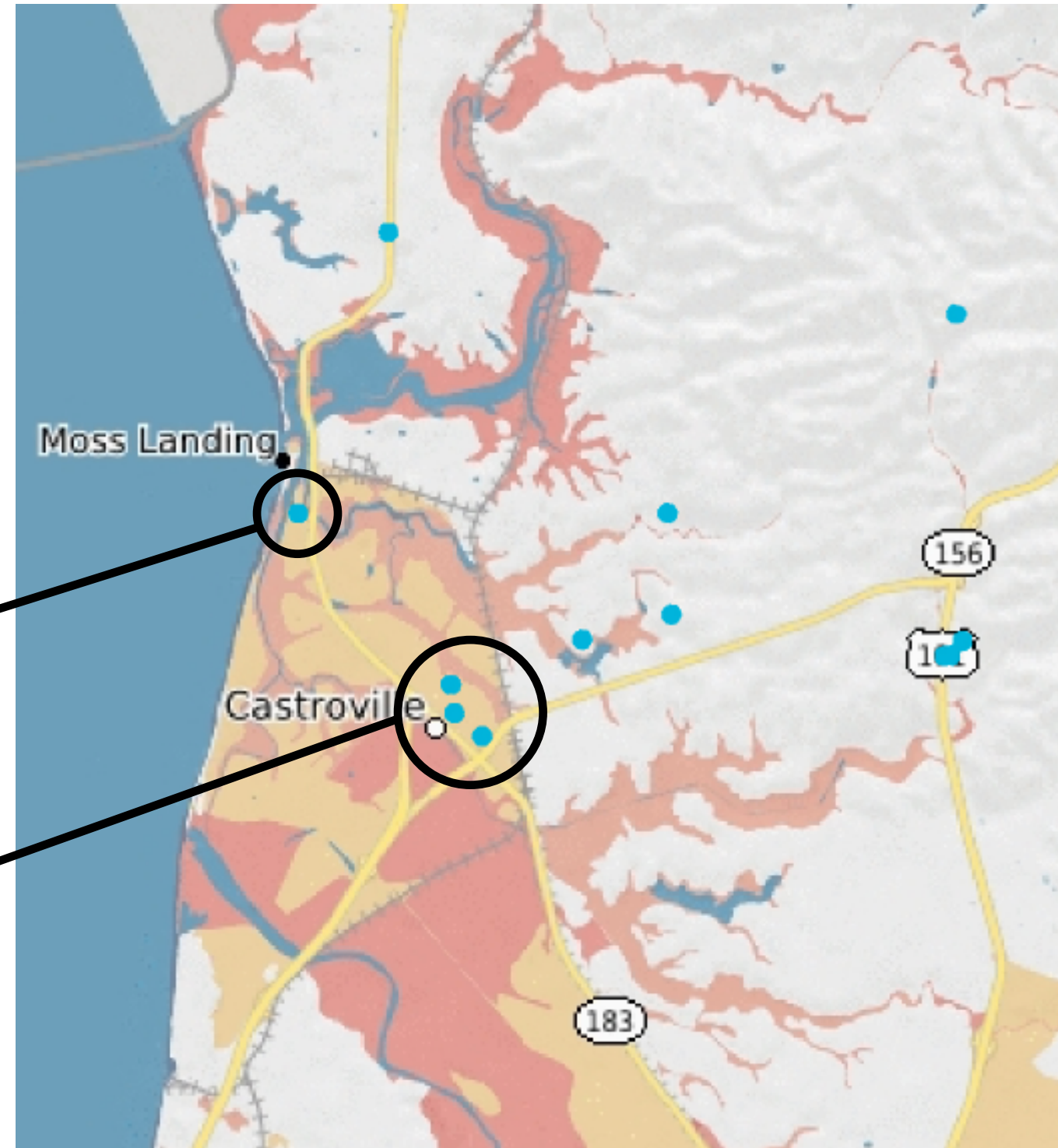
Proactive mitigation of risk  
reduces expected cost to the  
district

## Risks

- Flood
- Storm
- Fire
- Earthquake

District Office  
is in a FEMA  
100-year flood  
zone

Middle School,  
Castroville ES, and  
the Family  
Resource Center  
are in a FEMA 100-  
year flood zone

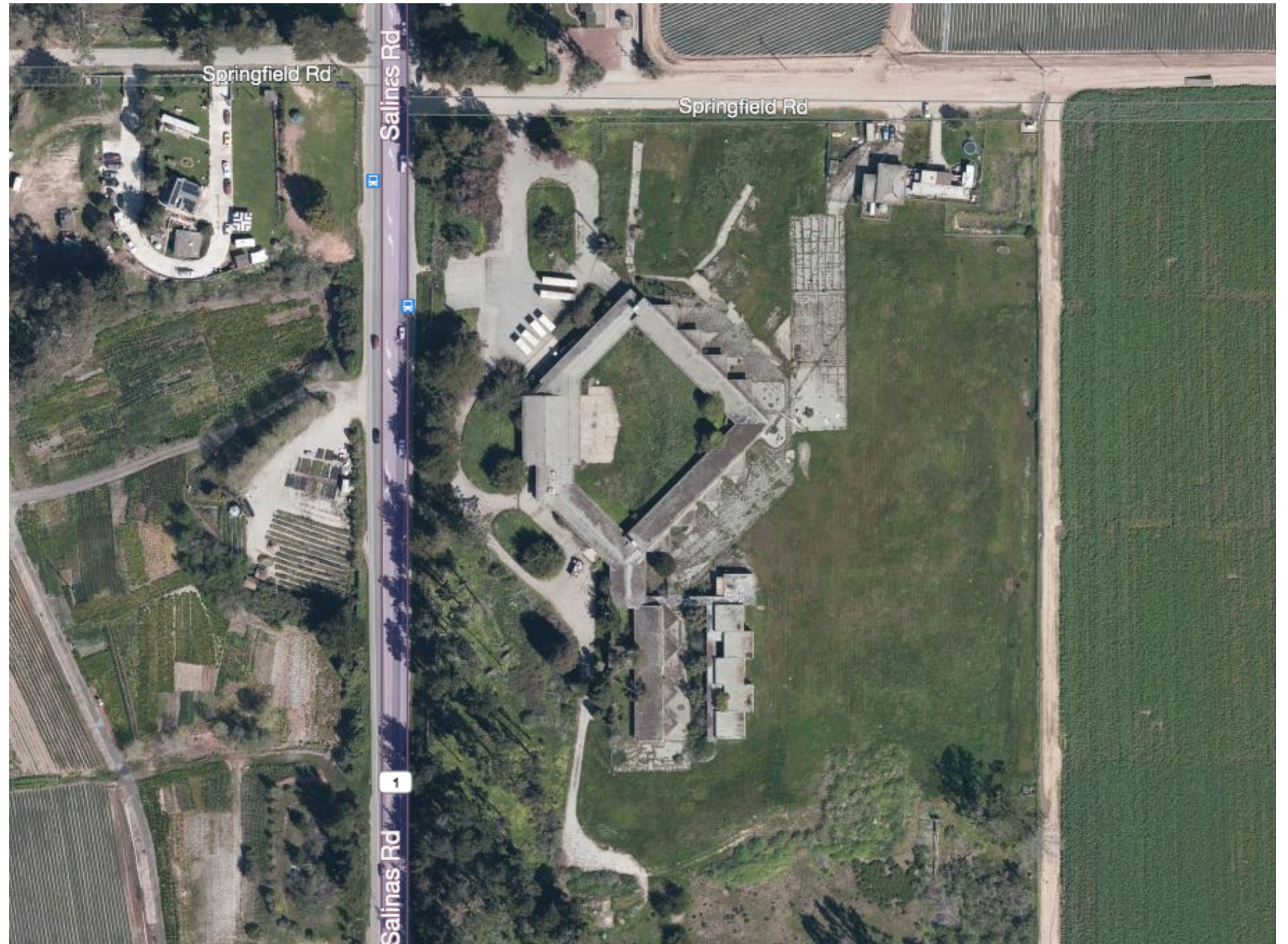


# STRATEGY 8a (OPERATIONS): UTILIZE VACANT SITES

## Moss Landing Site Use

- Build a shared sports facility
- Lease site to solar provider
- Relocate district office
- Build new elementary school
- Lease out land
- Joint development with partner

*Avoid ongoing carrying costs*



# STRATEGY 8b (OPERATIONS): UTILIZE VACANT SITES

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## Mossy Oak/Oak Hills

### Site Use

- Lease site to solar provider
- Lease out land
- Outdoor learning center
- Partnership with another organization





# STRATEGY 9 (FLOW): FAST, CHEAP, QUICK

- Wellness Initiative
- Art+Film Club
- Career Tech.  
Partnerships
- Curb Appeal
- Arts Integration



# NEXT STEPS

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- CONTINUE COMMUNITY ENGAGEMENT
- DEVELOP AND REFINE STRATEGIES
- TRANSLATE STRATEGIES INTO PROJECTS
- PRESENT PLAN TO BOARD AND PUBLIC AT LARGE
- CO-ORDINATE FUND RAISING (BOND, ETC.)

# THANK YOU

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*For questions please reach out to:*

*Marijke Smit*

*[smit@mkthink.com](mailto:smit@mkthink.com)*

*Josh Jackson*

*[josh.jackson@mkthink.com](mailto:josh.jackson@mkthink.com)*



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