Alderwood Basics Plus ES
Bonita Canyon ES
Brywood ES
Canyon View ES
College Park ES
Culverdale ES
Deerfield ES
Eastshore ES
Greentree ES
Meadow Park ES
Northwood ES
Oak Creek ES
Plaza Vista ES
Santiago Hills ES
Springbrook ES
Stone Creek ES
Stonegate ES
Turtle Rock ES
University Park ES
Vista Verde ES
Westpark ES
Woodbury ES
Lakeside MS
Plaza Vista MS
Rancho San Joaquin MS
Sierra Vista MS
South Lake MS
Venado MS
Vista Verde MS
Irvine HS
Northwood HS
University HS
Woodbridge HS
Creekside HS

IRVINE UNIFIED SCHOOL DISTRICT

- *Integrity*
- *Empowerment*
- *Collaboration*
- *Trustworthiness*
- *Learning*

Board of Education Study Session #1

1.	Introduction	5 minutes
2.	Thought Starters	15 minutes
3.	Process To Date/ Outcomes of Stakeholder Engagement *Discussion*	30 minutes
4.	DRAFT Guiding Principles *Discussion about each guiding principle*	20 minutes
5.	K-8 Master Program *Discussion*	45 minutes
7.	Looking Ahead	5 minutes

Agenda

Review & Comment on Process / Outcomes of Stakeholder Engagement

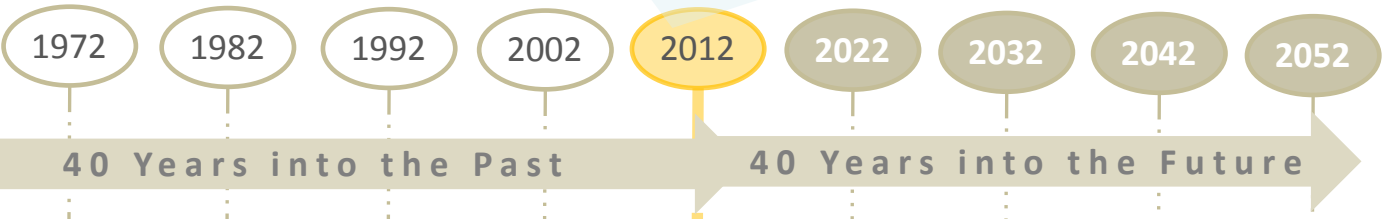
Review DRAFT Guiding Principles
Provide input today and finalize at September Study Session

Review & Discuss K-8 Master Program
(An evolution of continuous improvement)

*****This is an Interactive Session*****
questions and comments welcome throughout presentation

Meeting Outcomes

TODAY: A time to reorient our ideas of education with future assumptions.



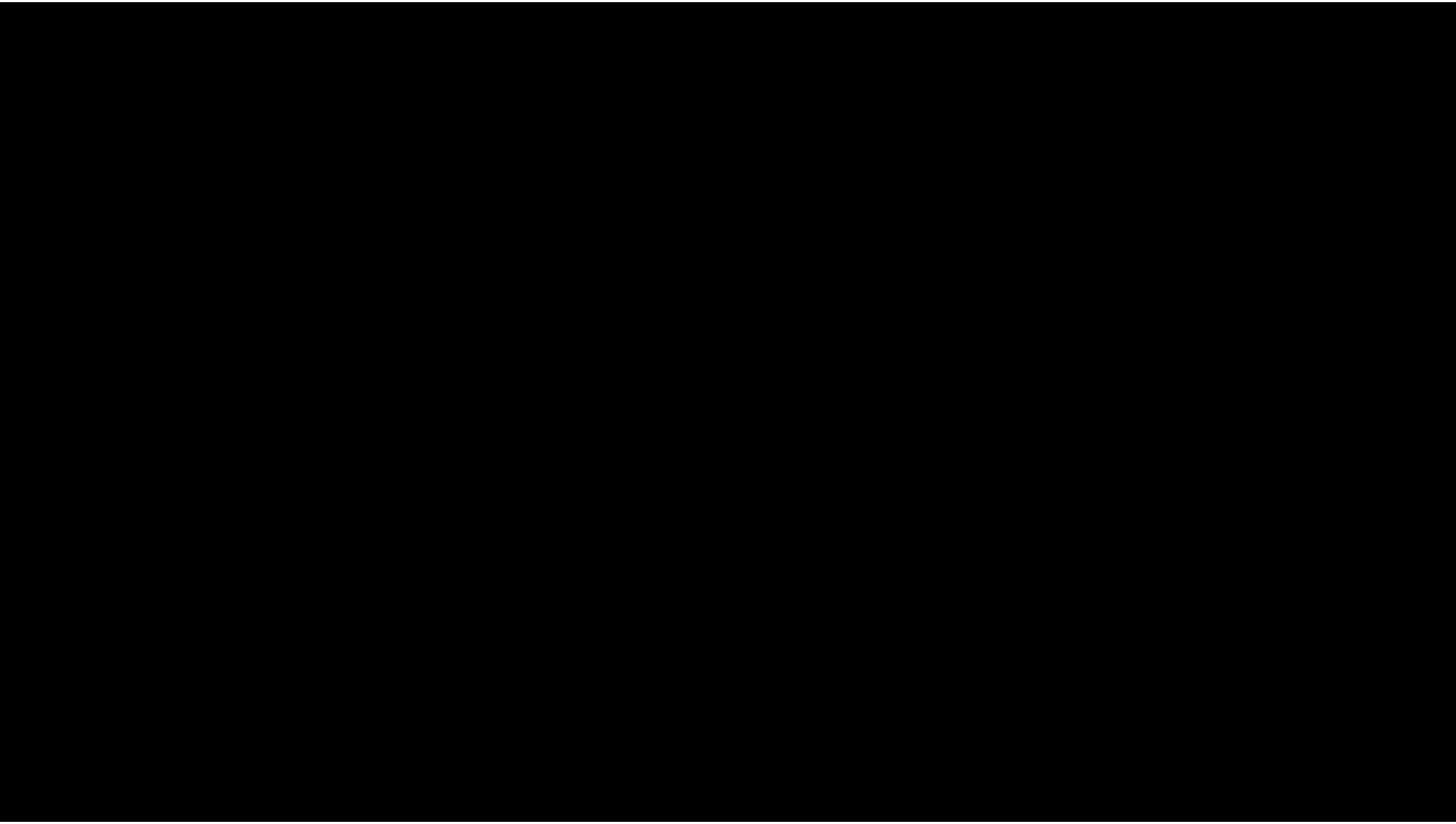
To engage in conversation and reflection.

To identify fundamental values along side a vision of possibilities.

To coordinate these ideas about the future of education and permeate policy, practice and place.

Thought Starters

Changing Education Paradigms



Speech by Sir Ken Robinson with RSA Animate: http://www.youtube.com/watch?v=zDZFcDGpL4U

Schools are Collaborative Ecosystems

Leadership
the catalyst for CHANGE

Student Learning & Achievement
Classroom Environment and Activities

- Professional Capacity
- Innovative Instruction
- School Learning Climate
- Parent and School Connections
- Community Connections

Drivers for Change

- **Teaching to Learning Styles:** Building learner-responsive spaces
- **Emphasis on Whole Child Needs**
  - Physical
  - Social
  - Emotional
  - Intellectual
  - Interpersonal
  - Community - parents
- **Teaching 21st Century Skills and Technology Integration**

Program Examples

- **Project-Based Learning**
- **Learning Communities**
- **Linked Learning**

THE LINKED LEARNING APPROACH

"When students see a connection between what they're learning today and what they're earning tomorrow, they're more successful in the classroom, in college, and ultimately, in the workplace"

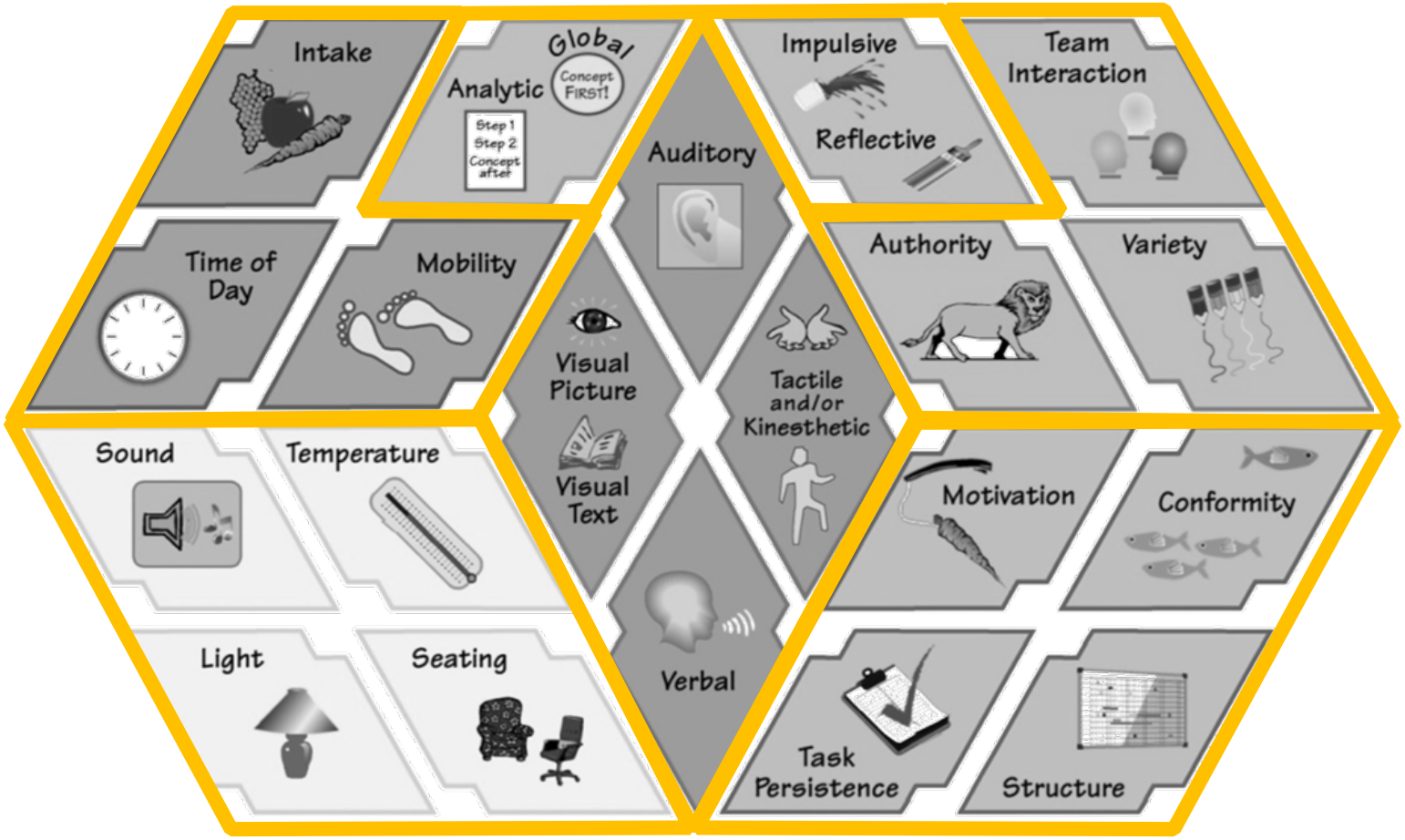
– Tom Torlakson, *CA superintendent of public instruction*

Linked Learning Education Model,
Center for Advanced Research and Technology (CART), 2011

Matching students' learning style preferences with teaching methods has shown to increase academic achievement.*

LEARNING PATTERNS

- Psychological
- Physiological
- Environmental
- Emotional
- Sociological
- Perceptual



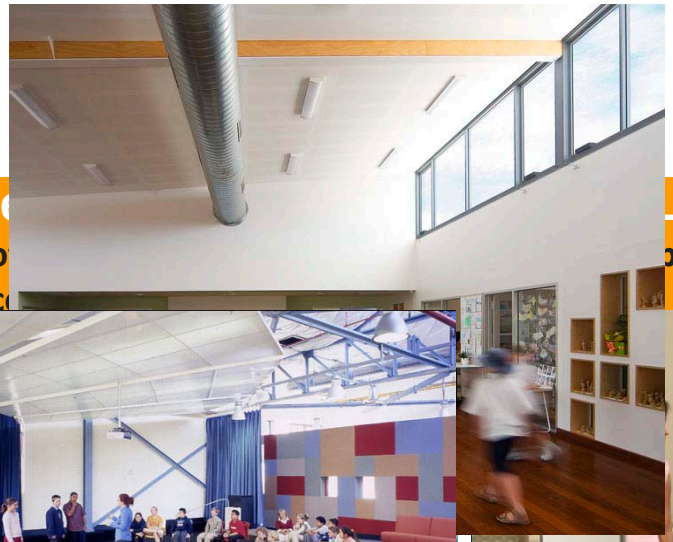
*The Search for Style: It all depends on where you look. National Forum of Teacher Education, 9(1), 1998-1999. Tendy & Geiser
The Building Excellent Survey – Rundle & Dunn, 1996-2004

AUDITORY

VISUAL [IMAG

TACTILE [KINESTHETIC

VERBAL



Debate, Discussion, Critiques, & Reviews

Acoustically separate noisy & quieter areas; absorptive materials, mobile furniture, & noise barriers

Design suggestions adapted from *Learning Modalities and Space,* CEFPI Educational Facility Planner, 44(2&3); Boone.

Learner Responsive Spaces

Diverse
Environmental
Agile
Personal
Outdoor
Resource Rich

Resources readily available

Seamless integration of technology

Learner Responsive Spaces

Diverse
Environmental
Agile
Personal
Outdoor
Resource Rich

Varied lighting levels

Thermal comfort

Good acoustical performance

Flexible, varied furniture for group learning & personal comfort

Agile spaces and amenities

Learner Responsive Spaces

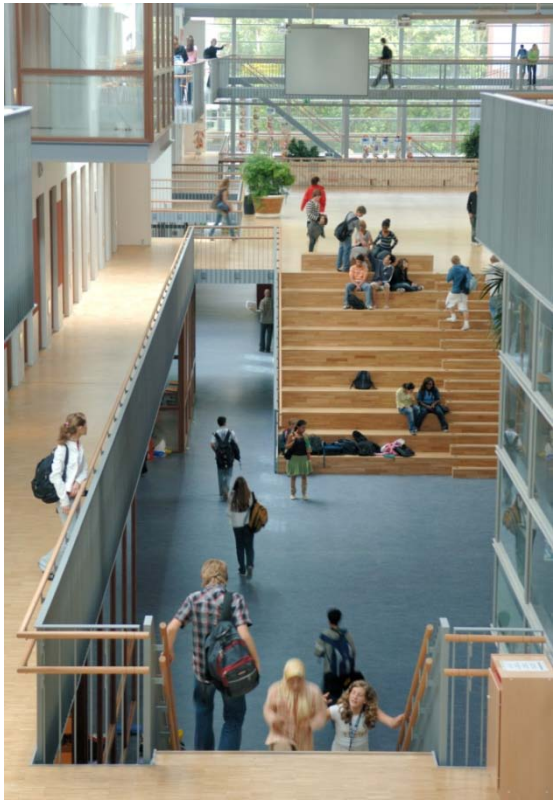
Diverse
Environmental
Agile
Personal
Outdoor
Resource Rich

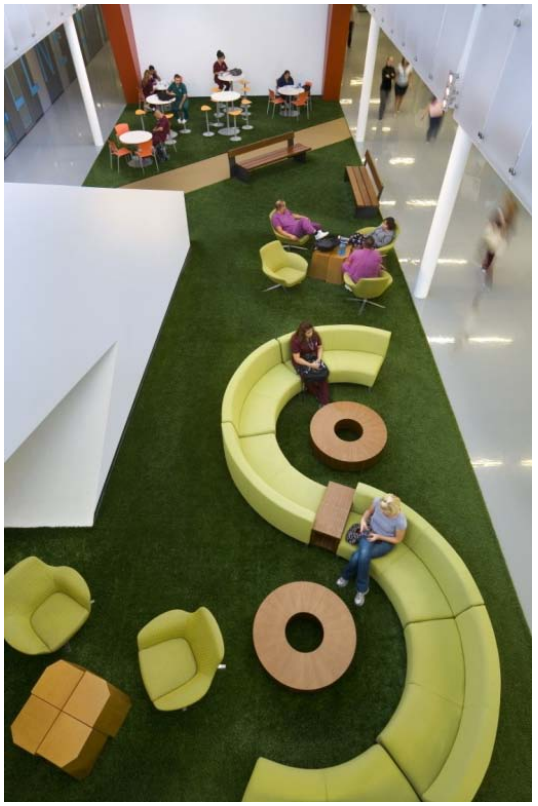
Active/passive zones

Varied-size spaces

Color

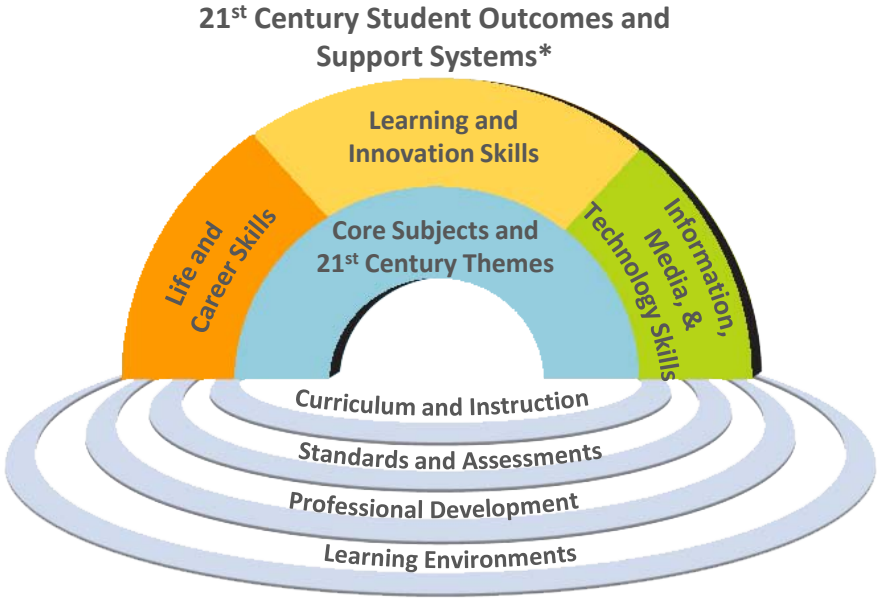
Texture





21st Century Skills

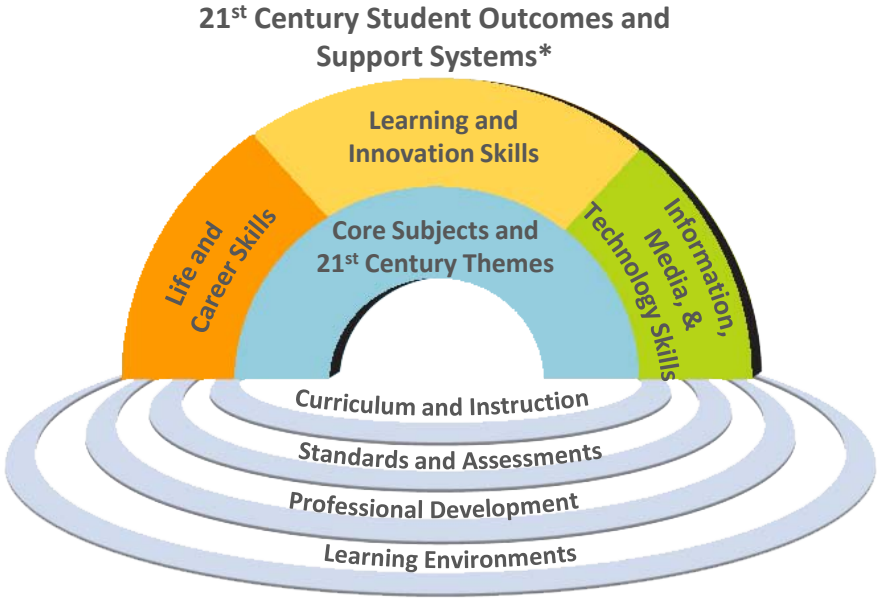
- Core Subjects and 21st Century Themes
  Weave core subjects with 21st century interdisciplinary themes
- Learning and Innovation Skills
- **Information, Media, & Technology Skills**
- Life and Career Skills



* Partnership for 21st Century Skills. 2009. *P21 Framework Definitions*

21st Century Skills – SOFT SKILLS

- Creativity
- Critical Thinking
- Problem Solving
- Communication & Collaboration
- Self-Directed Learning

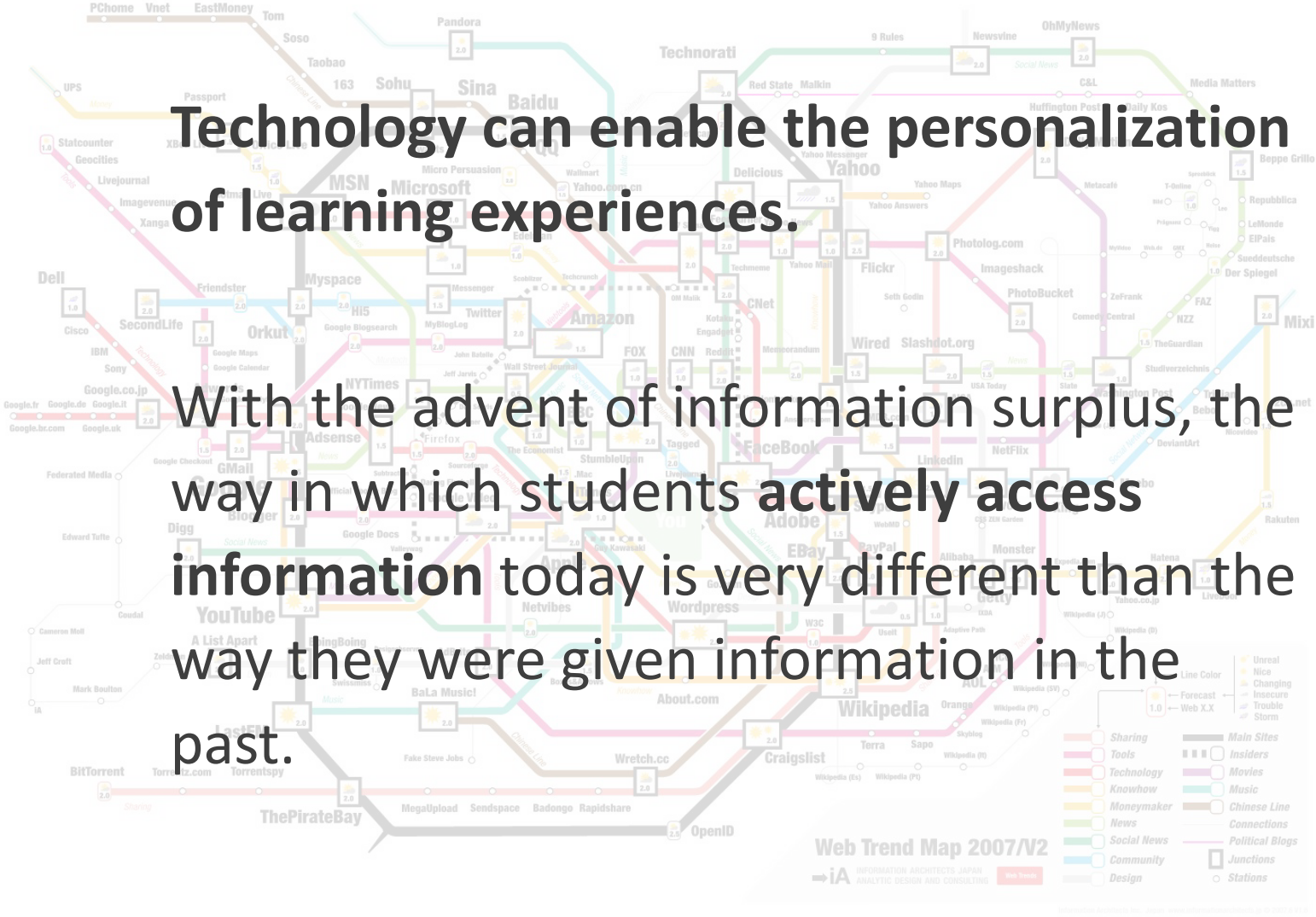


* Partnership for 21st Century Skills. 2009. *P21 Framework Definitions*

Technology Connections

Technology can enable the personalization of learning experiences.

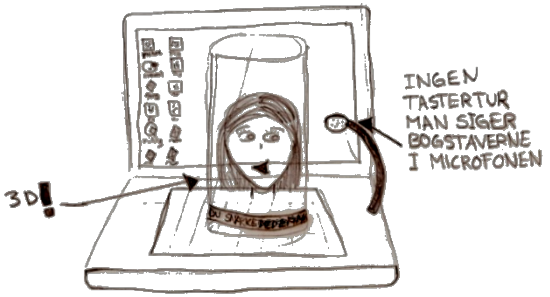
With the advent of information surplus, the way in which students **actively access information** today is very different than the way they were given information in the past.



Technology Connections

What are children saying about technology?

- Want social-based, un-tethered, digitally-rich learning
- Want to use their mobile devices at school (for reminders, e-textbooks, sharing docs)
- Are frustrated by unsophisticated use of technology in school



"The computer becomes 3-dimensional and, instead of a keyboard, it's controlled by voice."
— Aisling, Age 11

FUTURE REQUESTS

Immersive Content	38%
Interactive Technologies	83%
Interface Extension	37%
Platform for Creation	31%

Latitude 42s "Children's 'Future Requests' for Computers and the Internet"
http://www.life-connected.com/cms/wp-content/uploads/2010/07/Latitude-Research-42-KidsTech-Study-Summary.pdf
Speak Up - website
http://www.tomorrow.org/speakup/speakup_your_data.html

Technology Builds 21st Century Skills by…

Encouraging
ENGAGEMEN

Increasing
OWNERSHIP

Individual Production

lans

Expanding
LEARNING
outside the classroom

Flattens Classroom Time into Anytime, Anywhere Learning

Blended learning

Project Based Learning

Digital Center
Recording Studio
Filming Access
Editing Rooms
Digital Storage

Resource Space
Specialized Equipment
Access to Technology
Small Group Planning Space

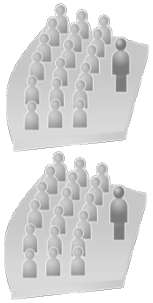
Crea
Comp
Acces

Flexibility
Divider Walls
Connection to Technology

Divider Wall - Closed

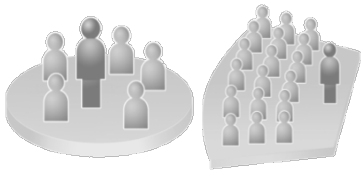
Divider Wall - Open

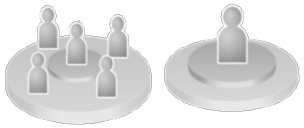
Flexible Learning Communities



SHARED CLASSROOM
Operable Wall
Teacher & Student
Collaboration
Teaming & Presentation

TYPICAL CLASSROOM
Flexible Arrangement
Ergonomic Furniture
Technology Enriched

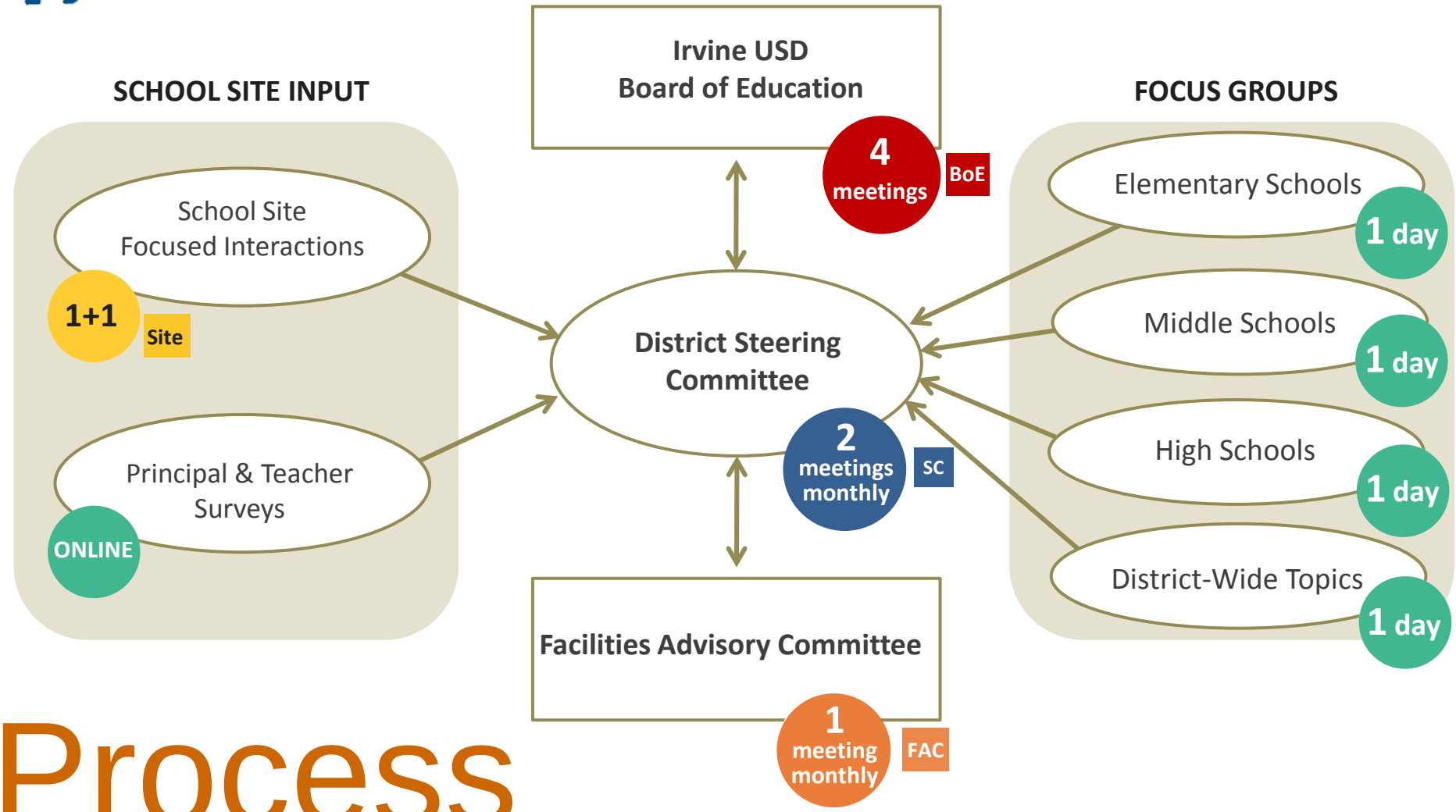




SHARED COMMONS
Student Work Space
Individual or Group Study
Teaming & Presentation

BUILDING CORE

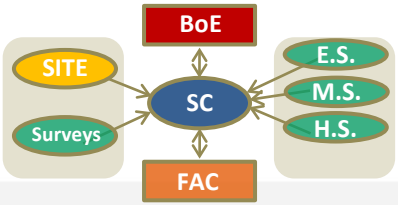
TEACHER TEAMING AREA
Teachers share classrooms,
work collaboratively in clusters: grouped by
discipline, **grade level**, or **Professional Learning Communities**



Process To Date

710 Participants
40 Hours

Process to Date



Last Meeting –
Where we were

TODAY

2011

APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV

18th | 22nd | 15th | 8th

SPRING RECESS

LAST DAY OF SCHOOL

SUMMER BREAK

FIRST DAY OF SCHOOL

BoE — Proposed Study Session

BoE — Proposed Study Session [Ed Specs Approval]

SC | FAC | Site

Visioning

Distribute Principal Questionnaire

Online Teacher Survey

Preliminary Site Walks

District-wide Educational Specifications

Focus Groups

Facility Needs Assessment

Conceptual Site Master Planning

Demographics

Implementatio

SC	District Steering Committee
FAC	Facilities Advisory Committee
BoE	Meet with Board of Education
Site	School Site Focused Interactions
#	IUSD Board Meeting Dates

July 13th — Draft K-8 Ed. Specs (Five Point Communities)

July 27th — Draft ES/MS Ed. Specs

Aug. 10th — Draft HS Ed. Specs

End of August — City Council Approval of Five Point Communities Mitigation

Final K-8, ES, MS, HS Ed Specs Package

SURVEY

FAC

FOCUS GROUPS

Stakeholder Engagement

21st Century Learning Environments

SURVEY

TEACHER RESPONSES: What is 21st Century Learning?

"21st century learning means using all kinds of elements to teach **the WHOLE child…**"

"Educational opportunities focused on a constantly changing environment that meets the needs of ALL students."

"…preparing for a new world where **kids will need to** be able to **problem-solve, work together, and build communication capabilities** to articulate to a multicultural, global economy."

"Developing a knowledge and skill base that will serve the learner as he navigates through **life's known and unknown challenges."**

Participants:

600

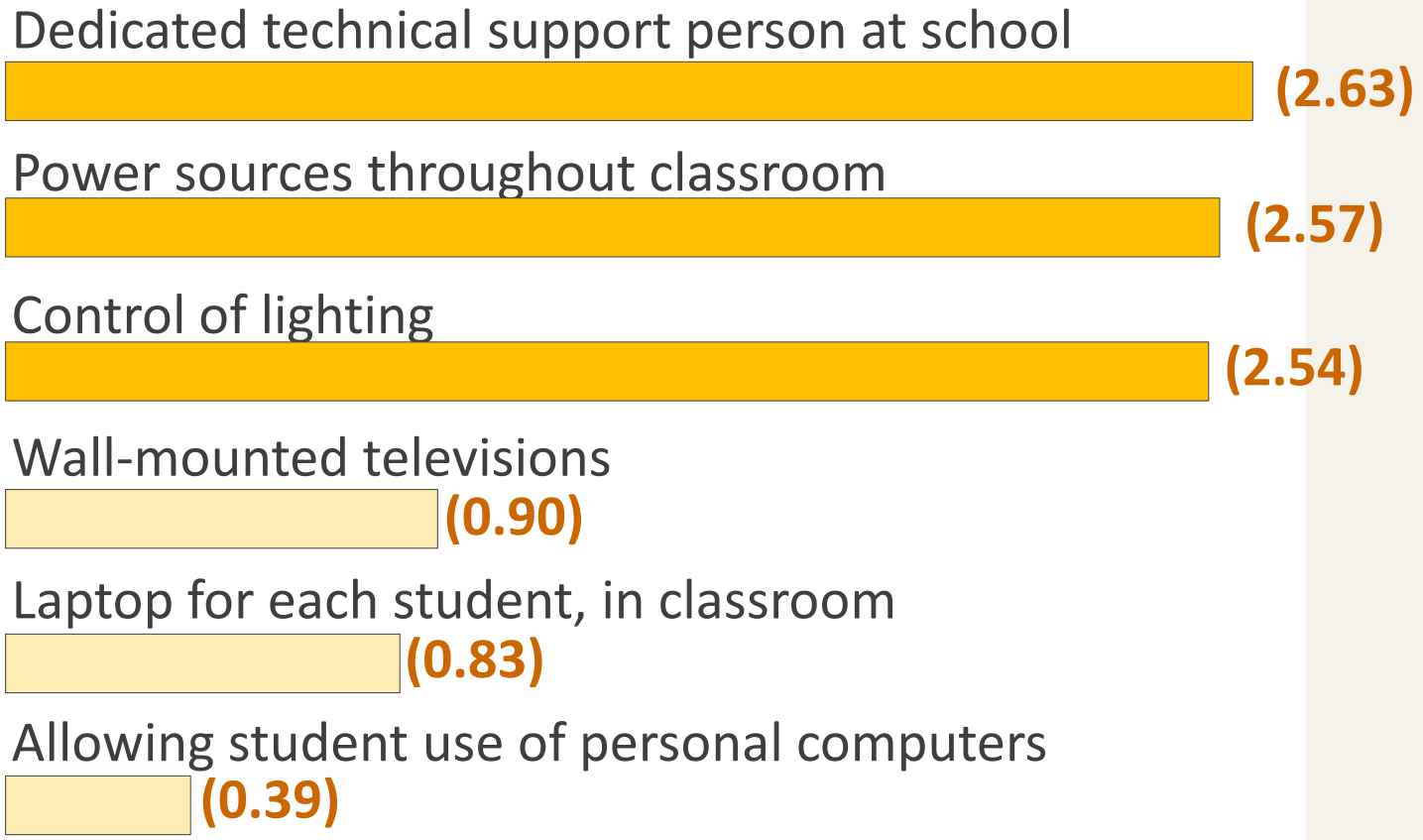
50% Response Rate

[3 weeks]

SURVEY

21st Century Learning Environments

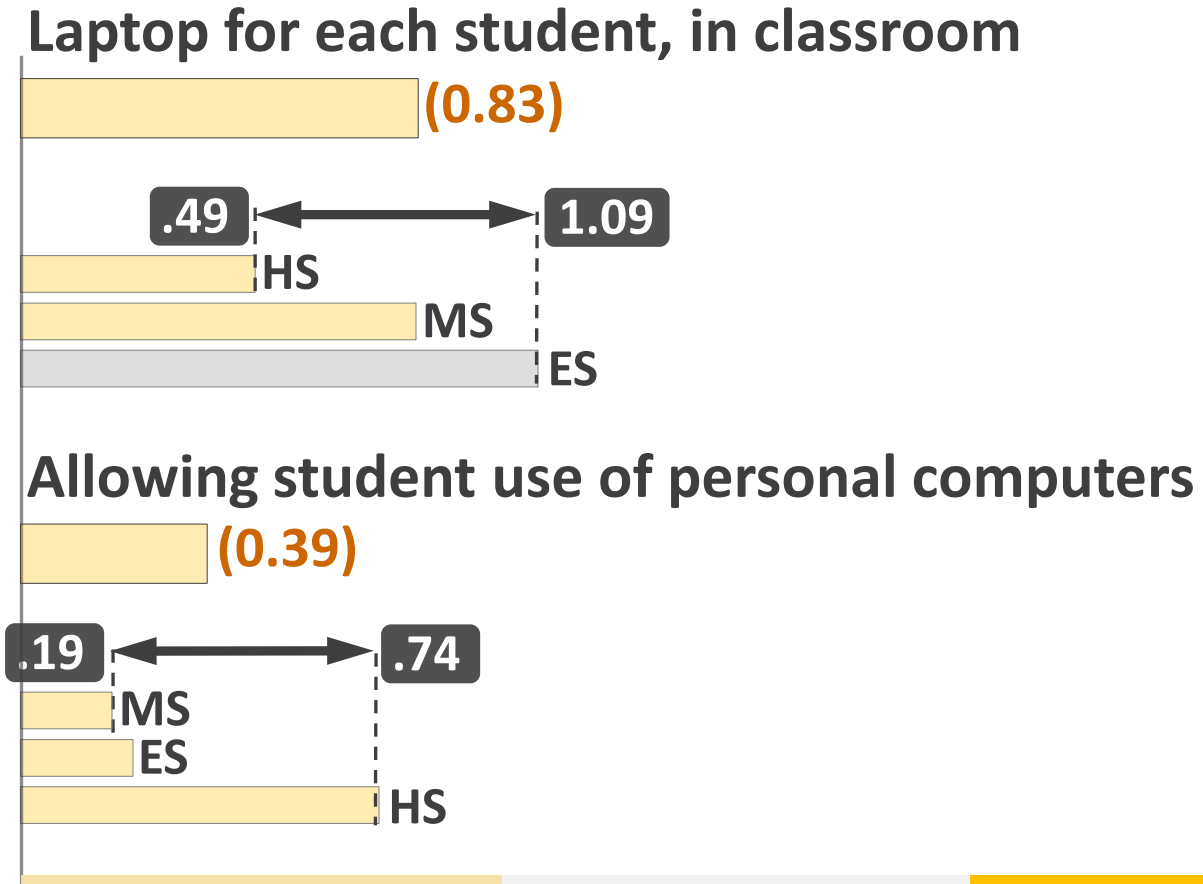
Technology Must Be Supported



SURVEY

21st Century Learning Environments

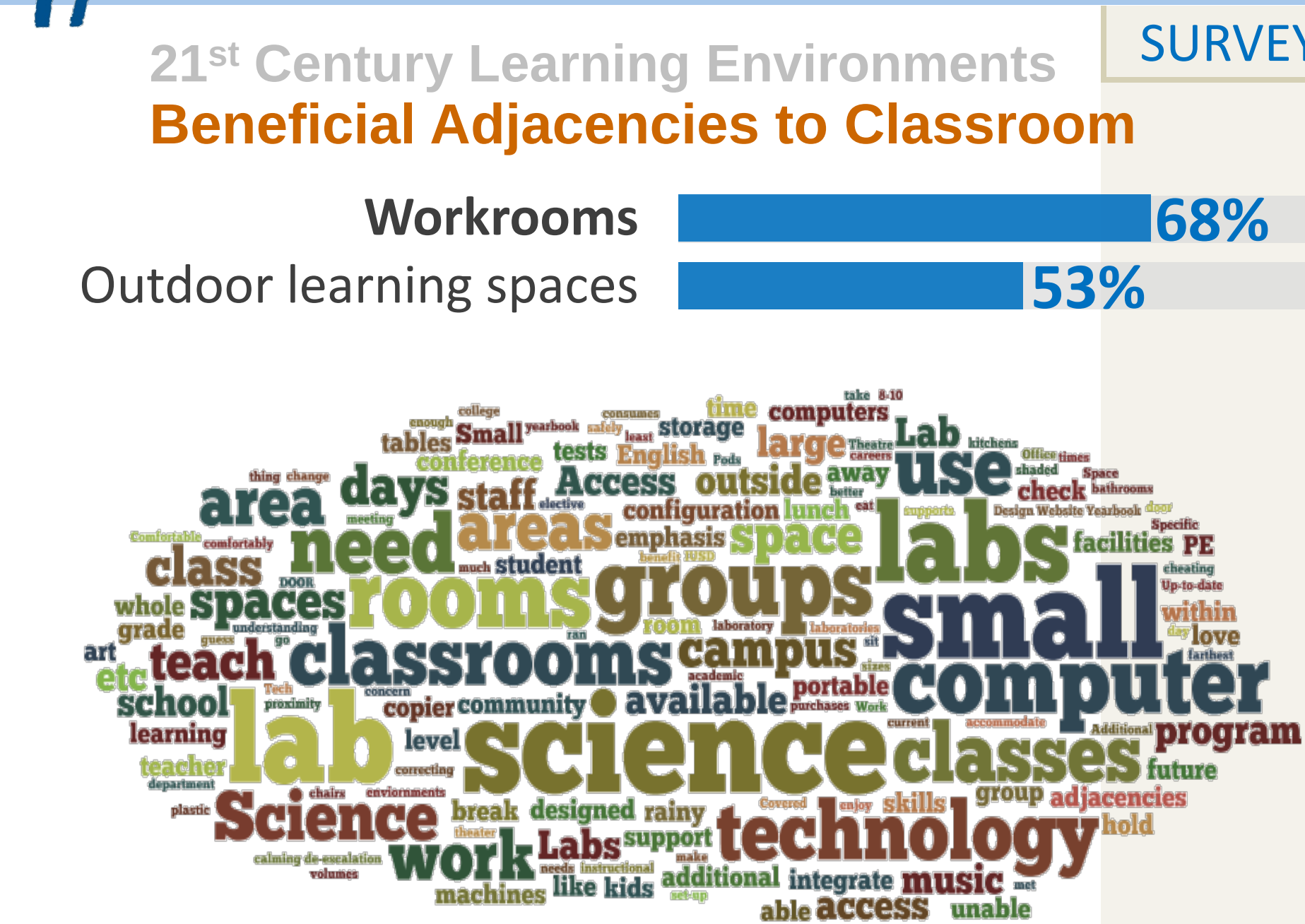
Technology: Responses by Grade Level



SURVEY

21st Century Learning Environments

Beneficial Adjacencies to Classroom



21st Century Learning Environments SURVEY

PRINCIPAL RESPONSES: ELEM., MIDDLE, K-8, & HIGH SCHOOL

Areas That Need To Be Addressed

- **Storage**
- **HVAC** & Environmental Comfort
- **Technology**
- **MPRs**
- **Portables:** Replace/Renovate
- **Work rooms,** staff lounges, offices
- **Safety:** Parking & Fencing, Campus Lighting
- **Athletics & Leisure:** Fields, Gym, Track, Quad, Shade Structures, HS Stadiums, Playgrounds
- **Designated space for special programs**
- **Sustainability**
- **Front Office** improvements
- **Fine Arts & Performing Arts spaces**
- **Acoustics:** separation between spaces
- **Flexibility:** small classroom zones
- **Kitchen/lunch efficiency**
- **Aesthetics** & Information for Visitors
- **Adaptability for enrollment changes**

Participants:

33

100% of Principals

[3 weeks]

Technology: **Speak UP Survey**

SURVEY

STUDENT FEEDBACK

- **80% of HS students have their own laptop computer** (60% MS; 44% ES)
- **96% have high-speed internet in their homes** (80% MS; 68% ES)
- **Technology use in school is impeded by:**

  Internet filters, bandwidth, availability of computers, and **inability to use personal devices**

"You are in charge of building a new school…What would you include for students to use?"

- Ability to **access Internet anywhere** at school
- Ability to use **personal devices** (HS, MS)
- **Mobile computers** for every student (ES)
- **Online Textbooks**
- **Classroom Portal**
- **Interactive Whiteboards, Projectors**

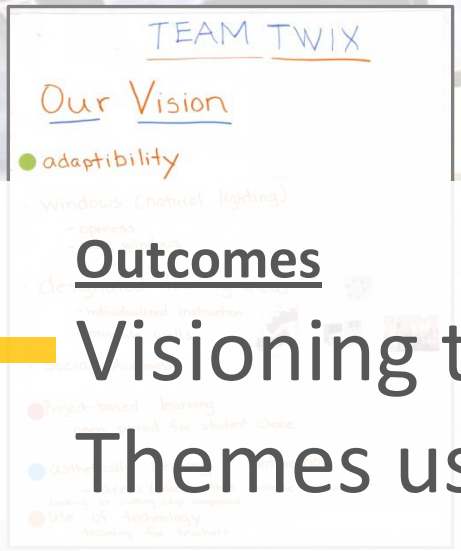
900 Students

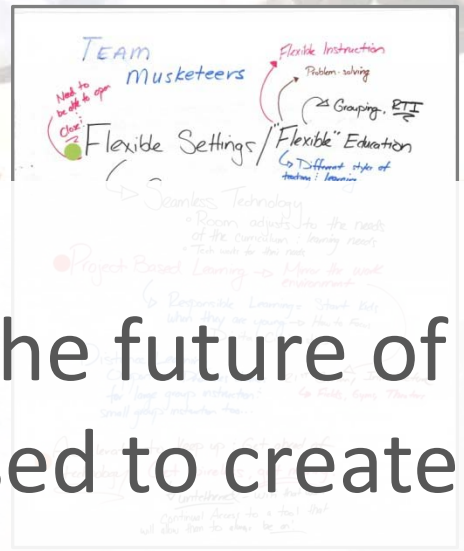
600 Parents

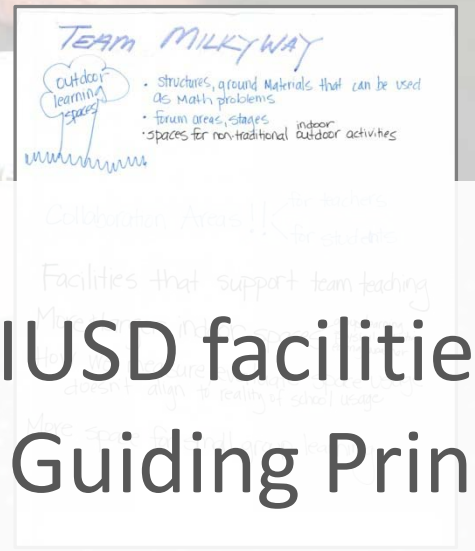
200 Teachers

Visioning: **FAC Meeting #1**

FAC

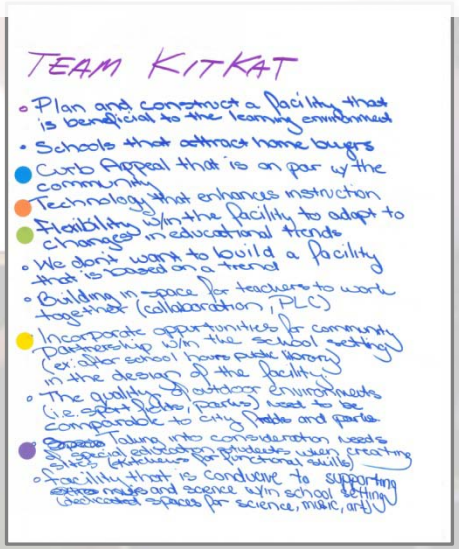






Outcomes

- Visioning the future of IUSD facilities
- Themes used to create Guiding Principles



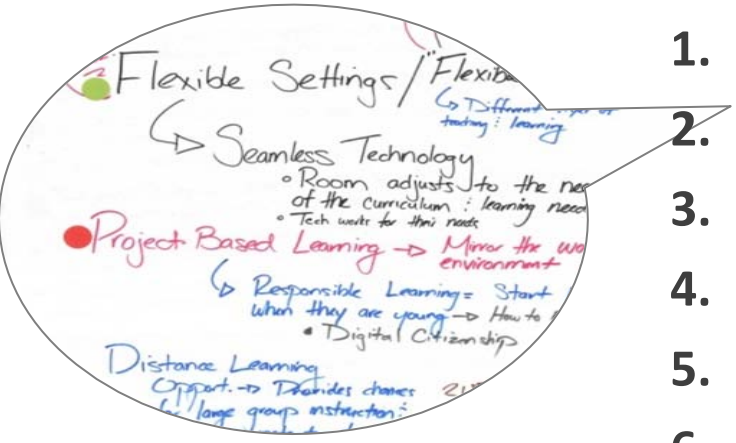
Attendees:

30

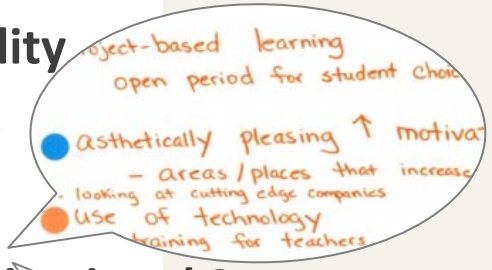
[6 hours]

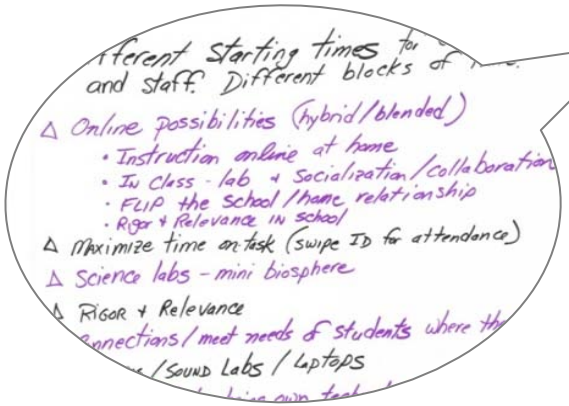
Visioning: **11 Categories**

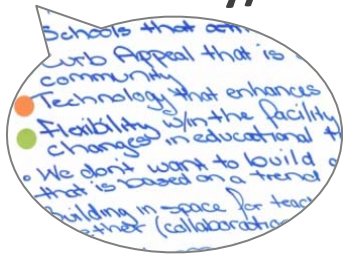
FAC

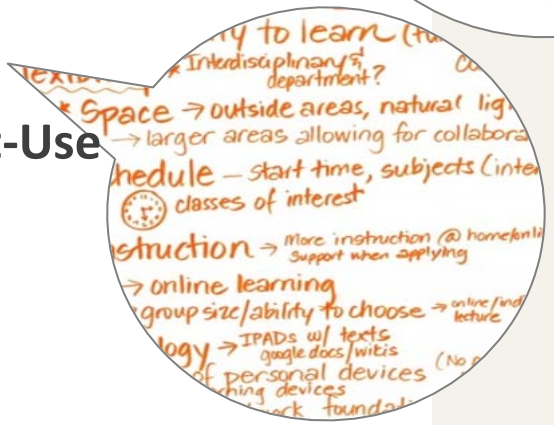


1. Learning Styles/Whole Child
2. Adaptability, Agility, & Flexibility
3. Technology: Un-tethered Use
4. Building 21st Century Skills
5. Inspirational, Innovative, Motivational Spaces
6. Outdoor Environments
7. Enhanced Programs & Support Spaces
8. Sustainable & Healthy Practices
9. Health & Fitness
10. Teaching Support
11. Community/Joint-Use

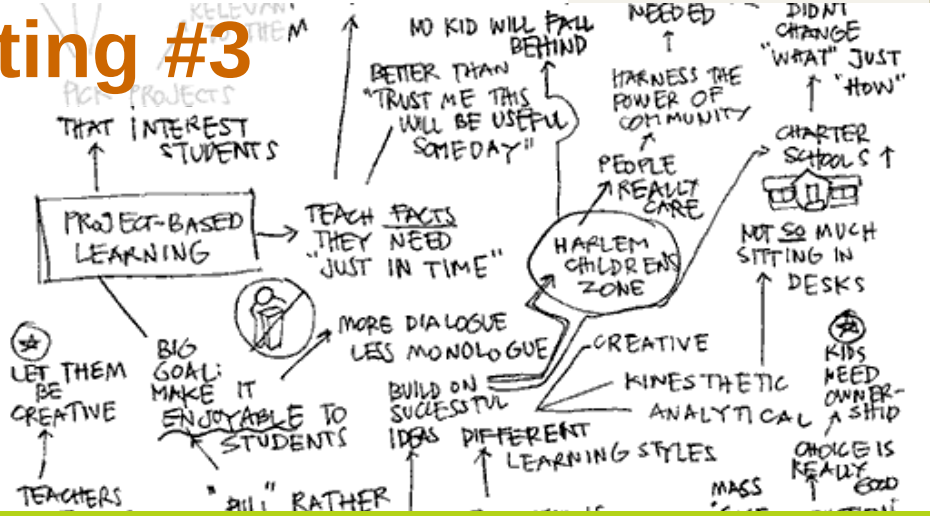








Visioning: **FAC Meeting #3**



INNOVATION

What ways might spaces evolve to support 21st century learning activities?

COLLABORATION

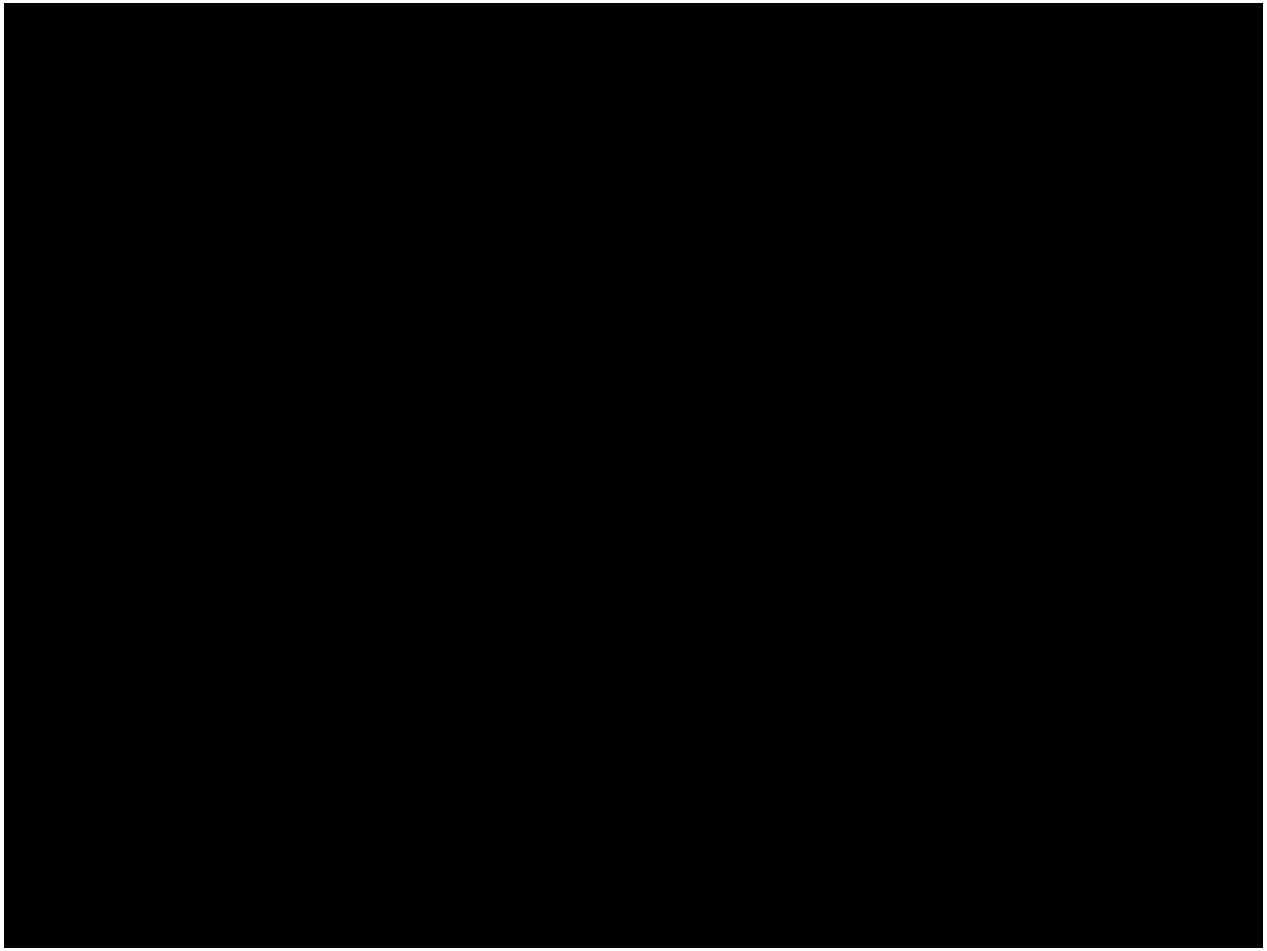
What types of activities are needed to result in more collaborative environments in the classrooms and the communal spaces?

SCHOOL CULTURE

What activities help unite the learning community, create a strong identity and promote ownership and pride in one's school and one's work?

Visioning: **FAC Meeting #3**

FAC



Visioning: **Group Participants**

Participants

Elementary, Middle, & High School Groups

Curriculum Directors, Principals, Assistant Principals, Program Directors, Teachers & Specialists, and District Representatives

Activities

Explore, Validate, & Gather Input

FOCUS GROUPS

65 Attendees

3 6-hr meetings

[**18 hours**]

Visioning: **Group Activities**

- Could or Does Happen Now
- Possible with Major Change
- Not Relevant to Us

FOCUS GROUPS

EXPLORE

What If Scenarios

Rethinking Teaching & Learning

Policies, Programs, Facilities, Operations

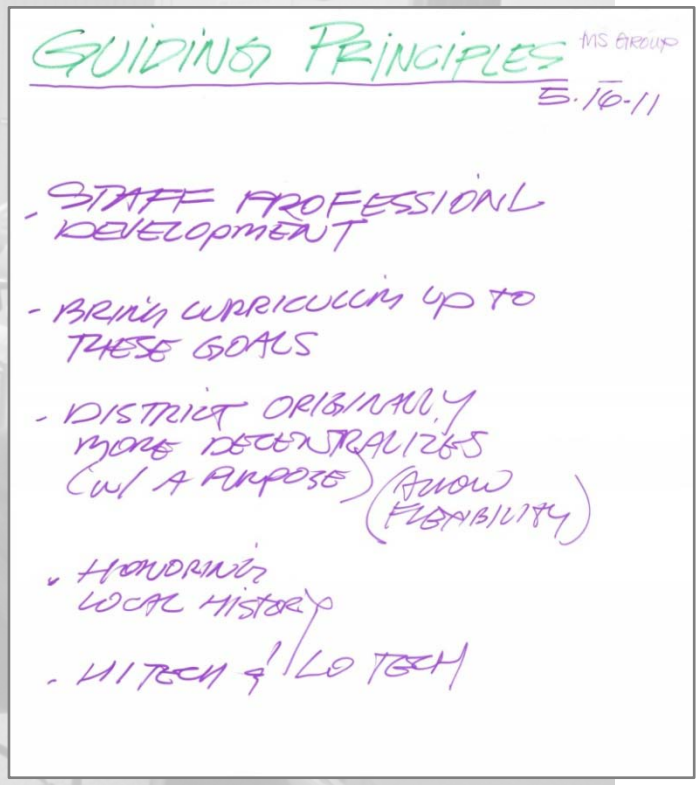
Visioning: **Group Activities**

Added Principle about Professional Development

Reorganized Sequence:
Individual Students → Global Concepts

Refined List of 21st Century Skills

Revised Language

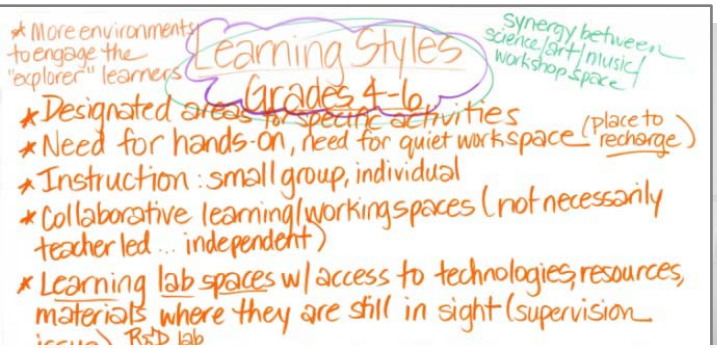


FOCUS GROUPS

VALIDATE

Guiding Principles
Review of and Input on DRAFT Principles

Visioning: **Group Activities**



FOCUS GROUPS

Topics Covered

Healthy students /Healthy Schools – Learning Styles

Learning Community Support – Specialized Areas

Group Spaces – Community Connections

Visual & Performing arts – Athletics & PE – Technology

GATHER INPUT

Program Vision

Educational Specifications: FOCUSED DISCUSSION

1. DRAFT Guiding Principles
2. K-8 Master Program

Today's Topics

Learning Styles/Whole Child
Outdoor Environments
Technology: Un-tethered Use
Adaptability, Agility, & Flexibility
Teaching Support
Building 21st Century Skills
Inspirational, Innovative, Motivational Spaces
Health & Fitness
Enhanced Programs & Support Spaces
Sustainable & Healthy Practices
Community/Joint-Use

Facilities Advisory Committee: 11 CATEGORIES

DRAFT Guiding Principles

Respond to the needs of each student

Promote 21st century skills

Support professional development

Nurture healthy people & healthy environments

Establish the highest quality programs

Celebrate the uniqueness of Irvine's communities

Maintain a long-range view

Guiding Principles

Guiding Principles

WE WILL RESPOND

TO THE NEEDS OF EACH STUDENT…

by recognizing the individuality of each student, **supporting all learning styles,** and fostering the inquisitive nature of students. Because **learning happens everywhere,** every aspect of the facility will elicit, support, and sustain learning for each student. Flexible facilities will promote the most current and effective approaches to teaching and learning that support the different **developmental, social, emotional, and intellectual needs** of each child.

Guiding Principles

WE WILL PROMOTE

21ST CENTURY SKILLS…

by providing **relevant** and **flexible learning spaces** that connect students and staff to a rapidly changing world. Through the **effective integration** and utilization of resources – people, technology, tools, and facilities – we will **enrich the learning experience** and **prepare students** for futures that will embrace:

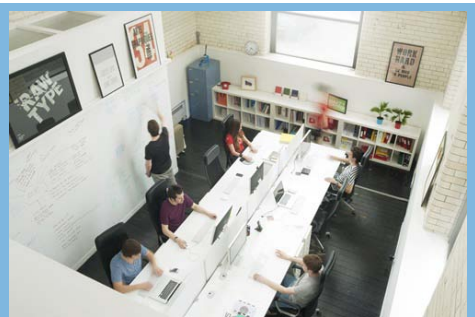
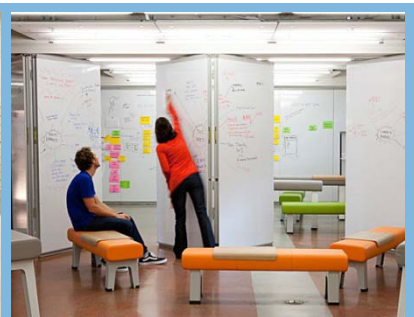
- Creativity and Entrepreneurship
- Critical Thinking and Problem-Solving
- Self-Directed Learning
- Communication, Collaboration, and Interpersonal Skills
- Technological & Information Literacy and Digital Citizenship
- IUSD Core Values: Integrity, Trust, Collaboration, Empowerment, and Learning
- Environmental Responsibility

Guiding Principles

WE WILL SUPPORT

PROFESSIONAL DEVELOPMENT…

through activities that **build capacity, cultivate collaboration,** and **maximize talents** of teachers and staff, to best accommodate the needs of every student. Schools and facilities will provide inspiring spaces that support and encourage **professional learning communities,** teacher training opportunities, and communication and articulation between educators. We will promote **a connected community of effective teachers and facilitators.**

Guiding Principles

WE WILL NURTURE

HEALTHY PEOPLE & HEALTHY ENVIRONMENTS…

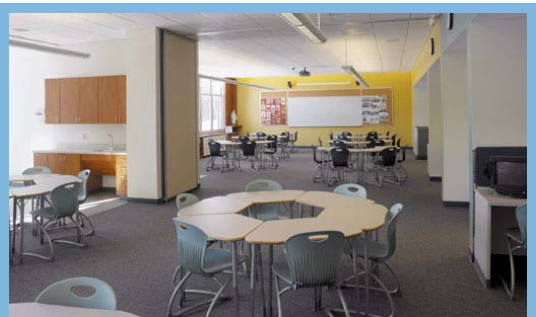
through **thoughtful and sustainable design,** construction, and maintenance of healthy schools and workplaces. Schools and facilities will serve as **teaching tools** that support our students' and staff members' well-being on a social, physical, and emotional level. Facilities will **enhance student learning and achievement** while attracting, supporting, and retaining **extraordinary professionals and educational leaders.**

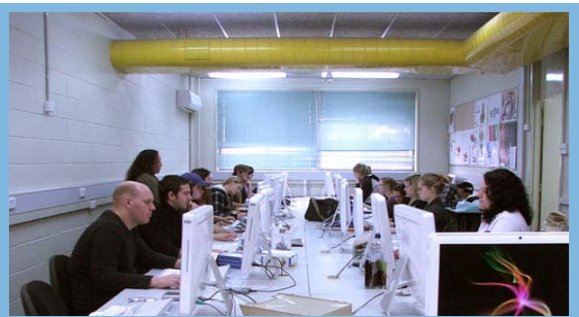
Guiding Principles

WE WILL ESTABLISH

THE HIGHEST QUALITY PROGRAMS…

that **maximize learning opportunities** and **foster the joy of learning** in clean, attractive, energy-efficient facilities. We will design and build new facilities, and modernize existing facilities, to complement, support, and enhance the **highest quality educational experience** for each student. Both indoor and outdoor school spaces will facilitate and showcase students' creative endeavors. New facilities will **raise the standard for all of our schools,** and guide modernization efforts and the refinement of existing facilities.



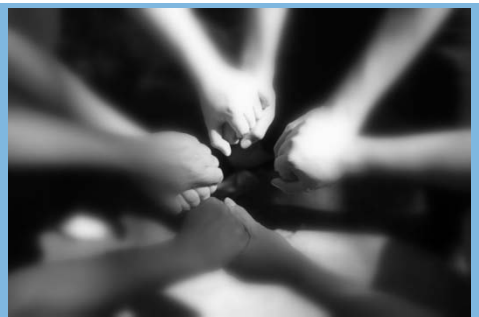


Guiding Principles

WE WILL CELEBRATE

THE UNIQUENESS OF IRVINE'S COMMUNITIES…

by designing schools and programs that are **integral to the community** they serve, while providing **equitable learning experiences** for each student. School designs will encourage parental, student, and community engagement, and offer **distinctive opportunities and programs** based on community needs and local culture.



Guiding Principles

WE WILL MAINTAIN

A LONG-RANGE VIEW…

by developing, implementing, and continuously refining a comprehensive Facilities Master Plan that **anticipates future needs.** By engaging in **stakeholder-based dialogues,** we will identify and align resources to ensure that facilities accommodate the changing needs of the District, providing the **greatest synergy between evolving programs** and the built environment. Facilities that are **energy-efficient, flexible,** and easy to maintain will be essential to accomplishing the goals of the District. The Plan will serve as a **living document that supports our mission "to provide the highest quality educational experience we can envision."**

INTRODUCTION

K-8

Educational Specs

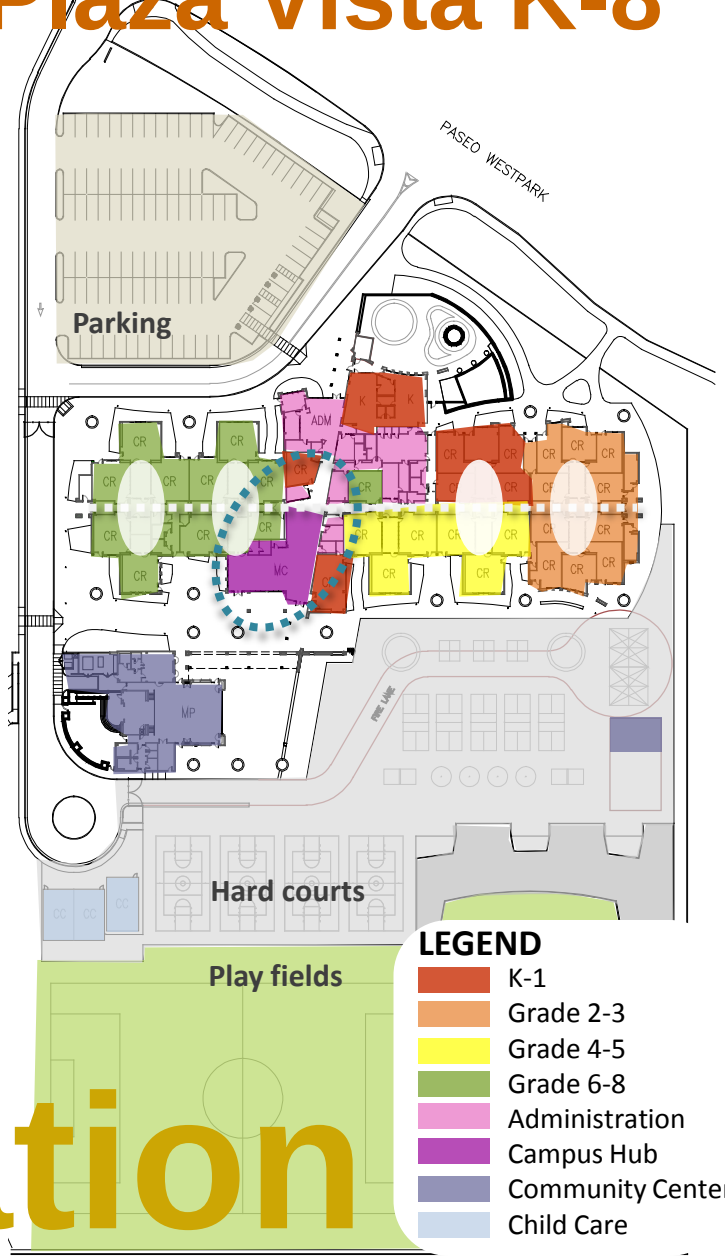
Plaza Vista K-8

ISSUES

- Self Contained Spaces
- Collaboration Difficult
- Teacher Centered
- Common Areas are Small
- Very Small Computer Lab
- Parent Volunteers in Staff Room
- Inefficient Pedestrian Circulation
- Noise and Disruptions at Spaces Adjacent to Library/ Media

NEEDS

- Science Facilities
- PE Spaces for Middle School
- More Music Spaces
- Larger Stage for Full Band
- Larger MPR
- Space for Small Group Breakout Instruction
- More Storage
- More Social Spaces
- Internet Technology in Classrooms (Wireless)



K-8 Organization

Vista Verde K-8

ISSUES

- Generally Satisfied with School Efficient Use of Circulation

NEEDS

- Flexible Staff Work Spaces
- Kinder Shade Structures
- More Music Spaces
- PE Changing Rooms for MS
- PE Equipment Storage

Square Feet Analysis

68,985 SF	Buildings
3,840 SF	Portables
72,825 SF	TOTAL
900	Preferred Capacity
80.9	**SF/Student**

K-8 Organization

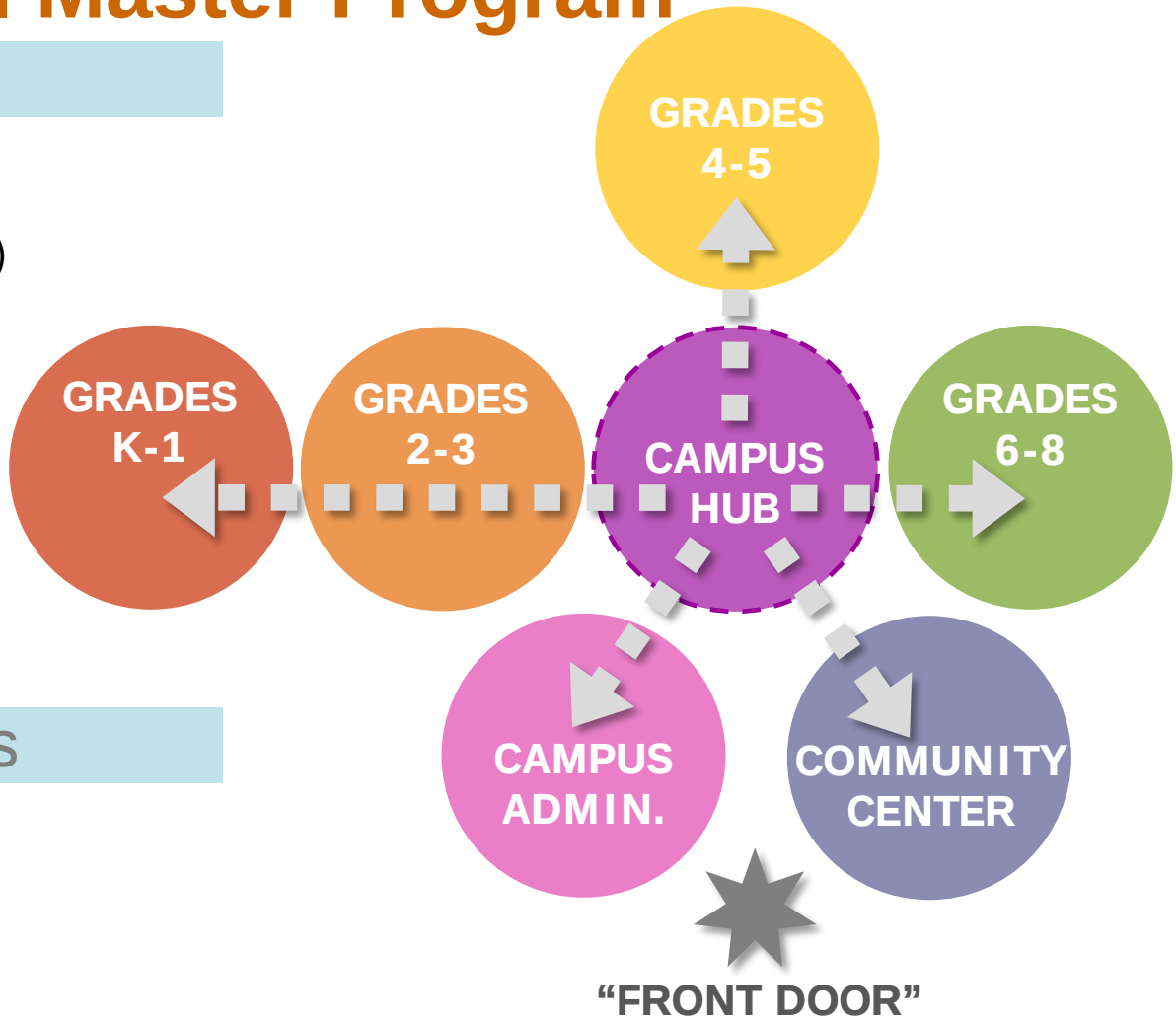
K-8 School Master Program

Teaching Stations

4	Kindergarten
22	Classrooms
3	MS Flex Labs (Science and/or Art)
1	Special Ed. Moderate/Severe
2	Special Ed./RSP
2	Music
1	Stage
1	ES Innovation Lab
1	Fitness Room
1	Classroom 2020 (NexGen Lab)
38	**Teaching Stations TOTAL**

Square Foot Analysis

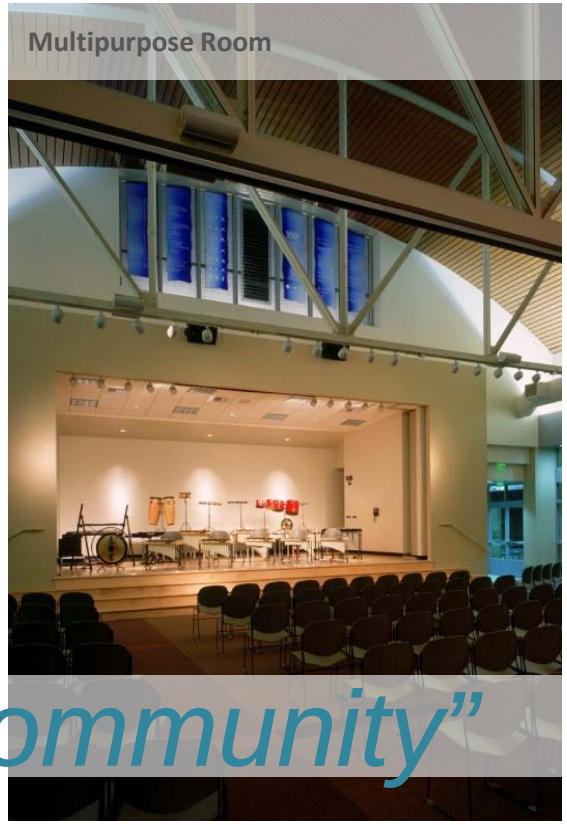
69,280 SF	Assignable Area
12,124 SF	Circulation
81,404 SF	TOTAL
900	Preferred Capacity
90.4	**SF/Student**



K-8 Organization

Evolution of Master Program

- Larger Kindergartens to Adequately Support Program
- Staff Conference/Collaboration Rooms
- Assistant Principal Flex Office
- Parent Center
- Adequately Sized Multipurpose Room



"Supporting Entire School Community"

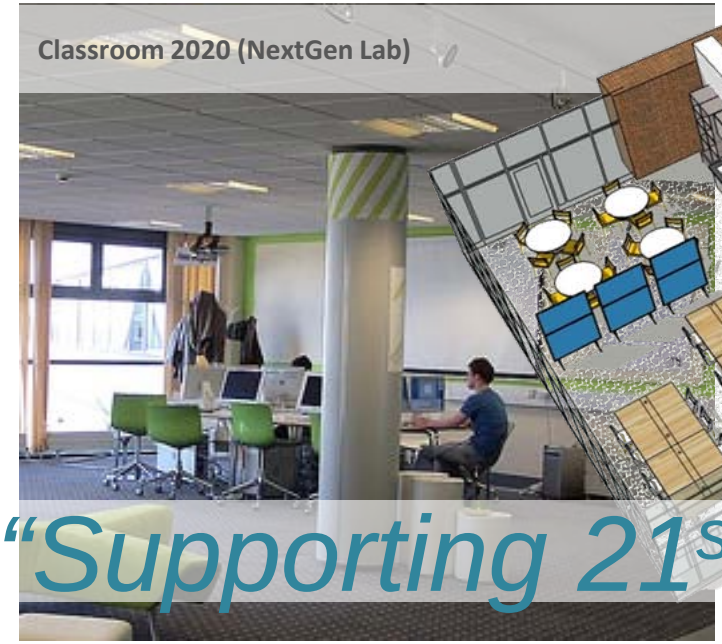
Evolution of Master Program

- Larger Kindergartens to Adequately Support Program
- Staff Conference/Collaboration Rooms
- Assistant Principal Flex Office
- Parent Center
- Adequately Sized Multipurpose Room
- Video Broadcast Studio
- (3) Music Rooms (Vocal, Winds, Strings)
- MS PE Support and Fitness Lab
- Special Ed. Severe/Moderate Classroom

"Supporting the Whole Child"

Evolution of Master Program

- Larger Kindergartens to Adequately Support Program
- Staff Conference/Collaboration Rooms
- Assistant Principal Flex Office
- Parent Center
- Adequately Sized Multipurpose Room
- Video Broadcast Studio
- (3) Music Rooms (Vocal, Winds, Strings)
- MS PE Support and Fitness Lab
- Special Ed. Severe/Moderate Classroom
- Classroom 2020 (NetGen Lab)
- Science/Flexible Elective Labs at MS
- ES Innovation Lab



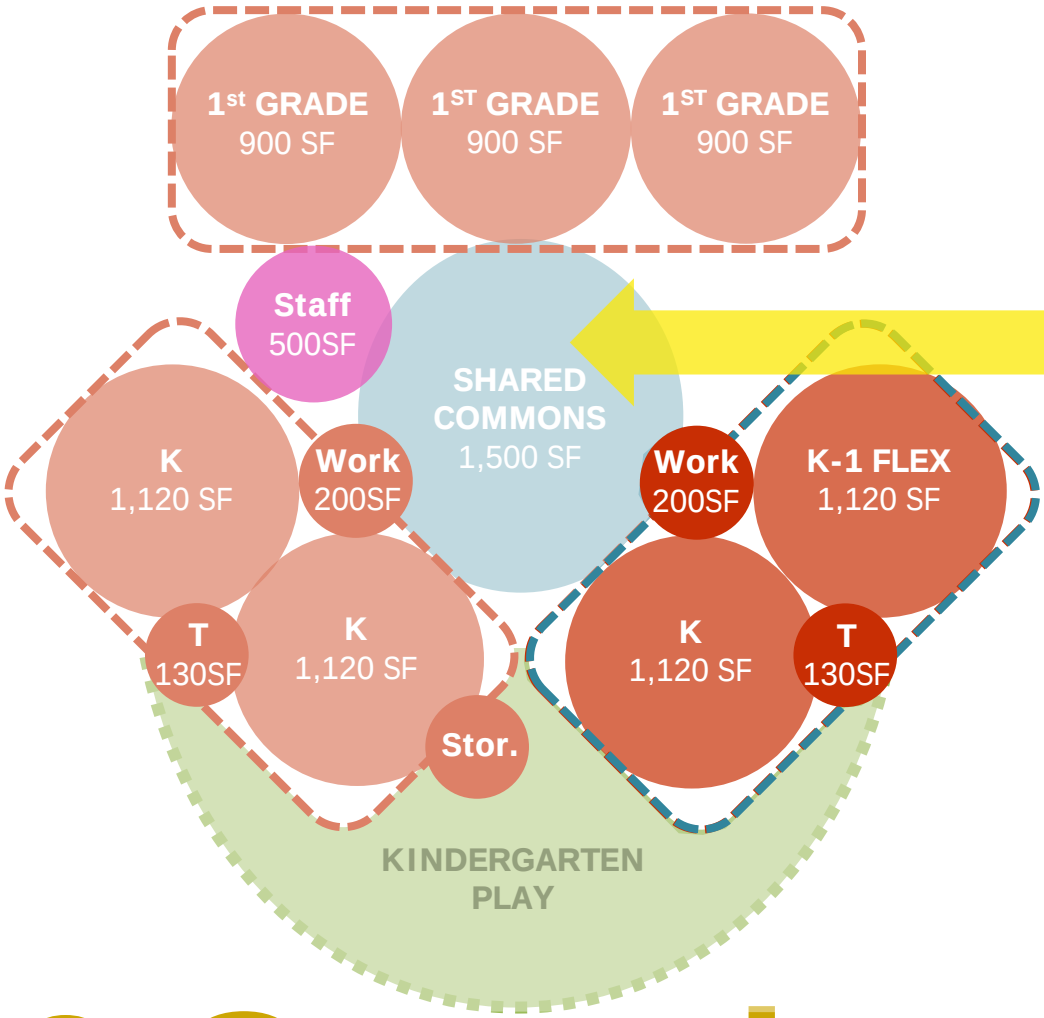
"Supporting 21st Century Skills"

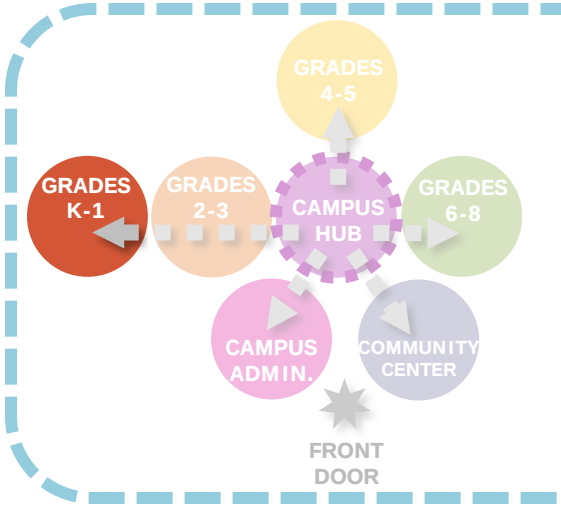
High Quality Spaces

- Natural Daylighting
- Good Indoor Air Quality
- Healthy Building Materials
- Transparency and Views
- Outdoor Learning Environments
- Agile Furniture Systems
- Individual/Small/Large Group
- Seamless Technology
- Learning Happening Everywhere

"Learning happening everywhere"

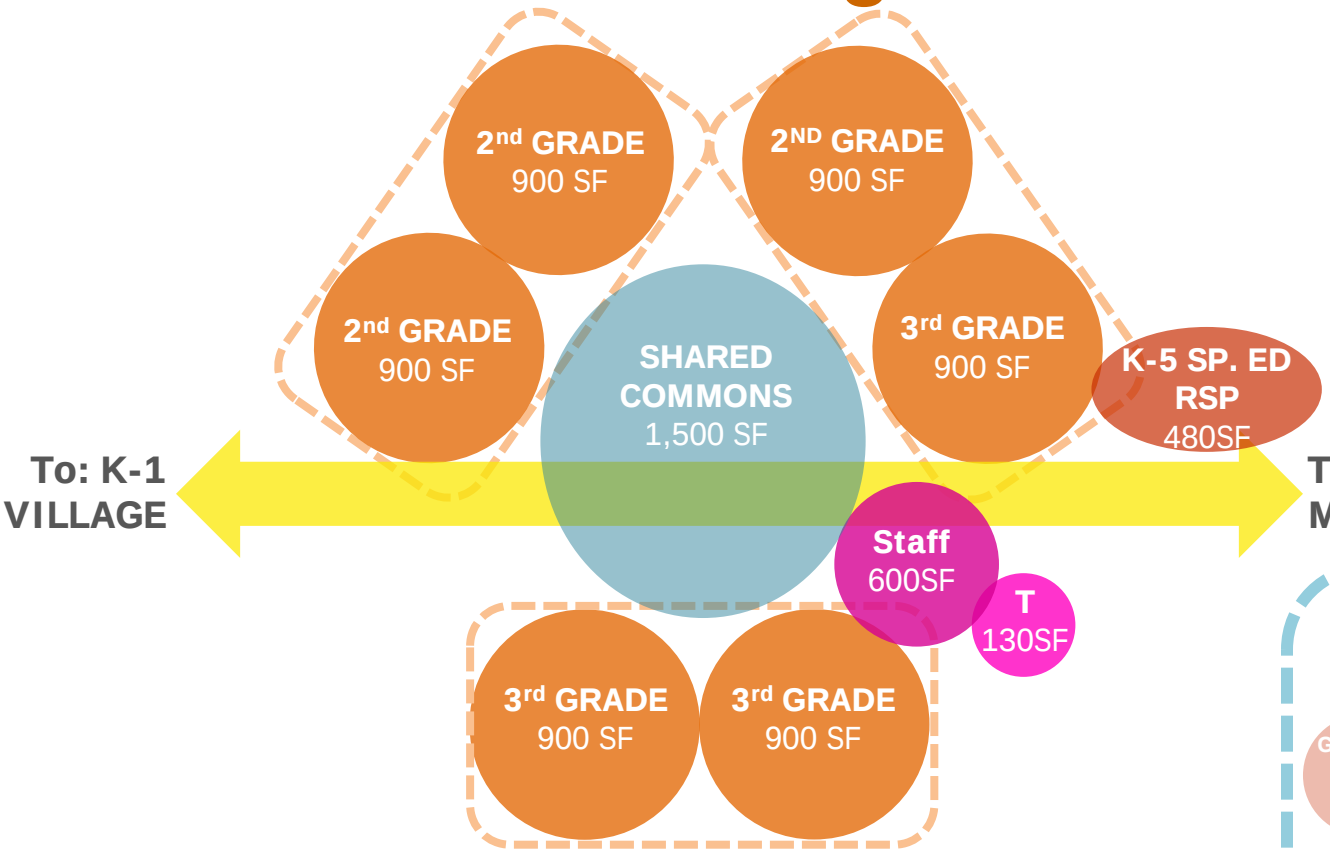
Grades K-1 Village

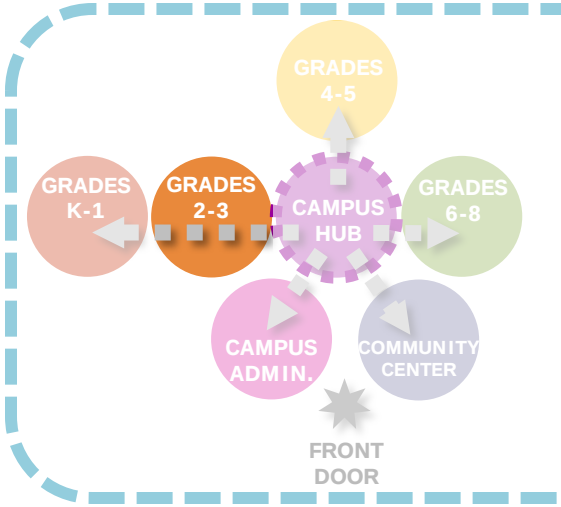




K-8 Organization

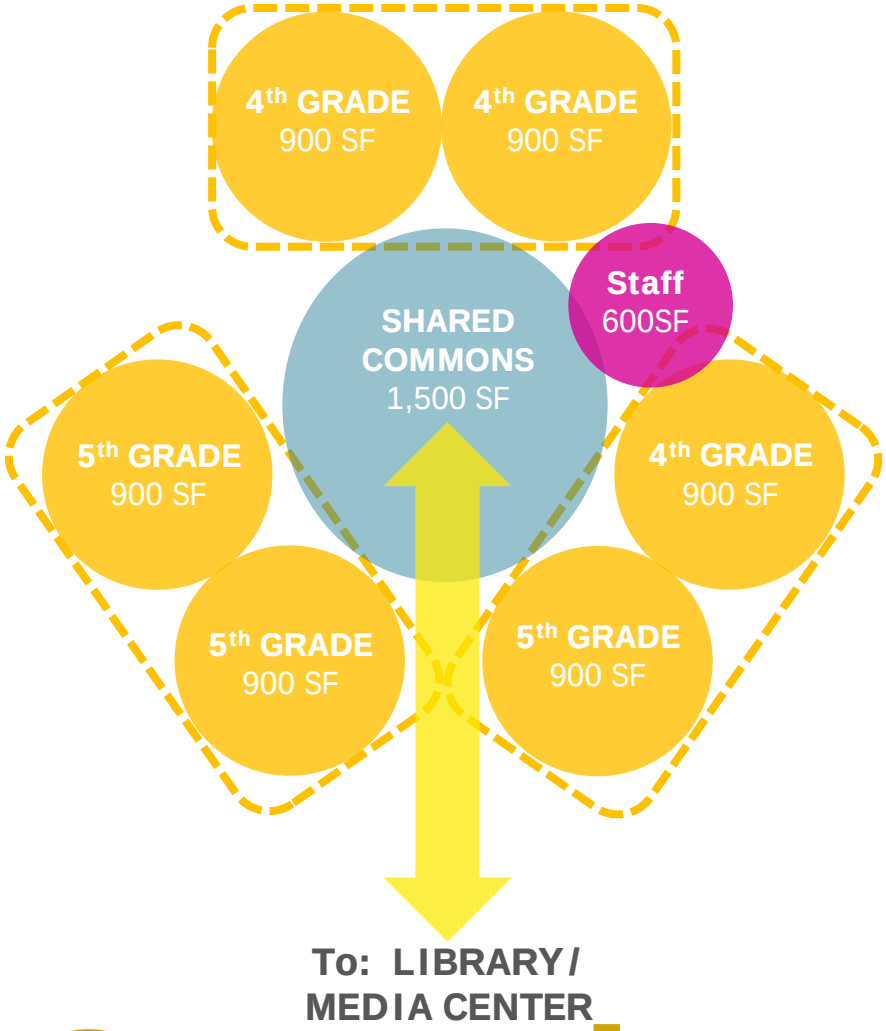
Grades 2-3 Village

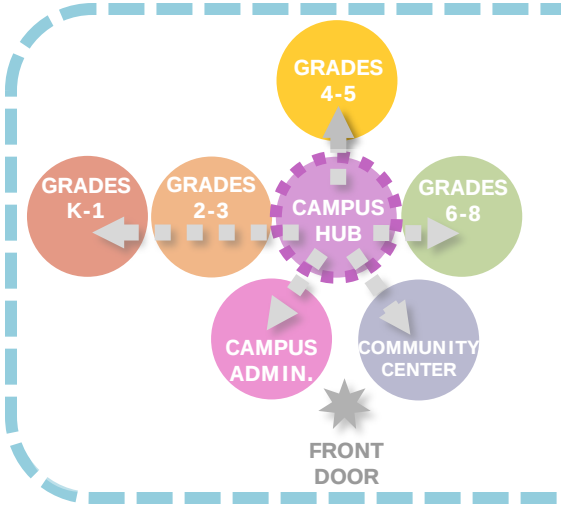




K-8 Organization

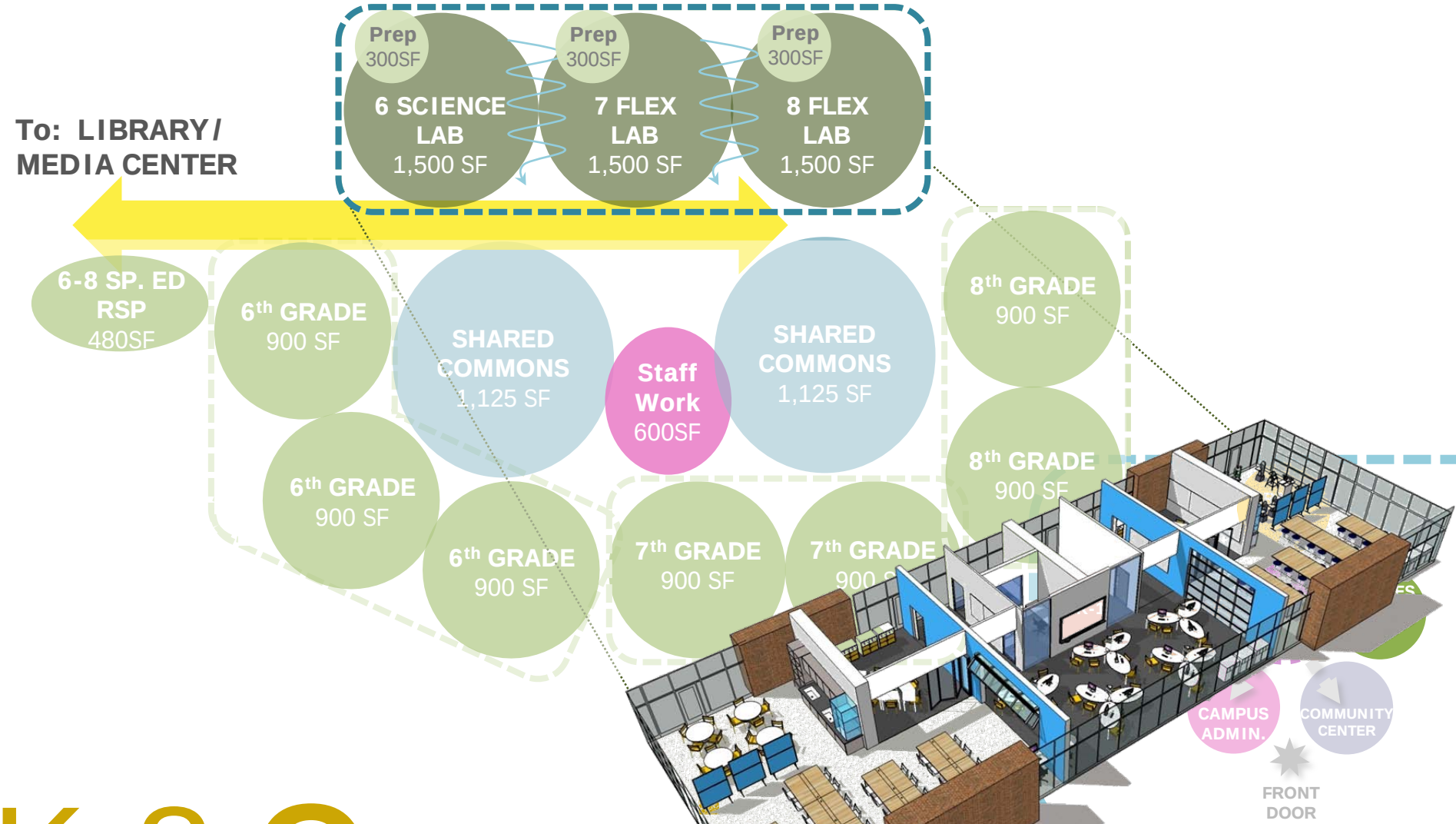
Grades 4-5 Village





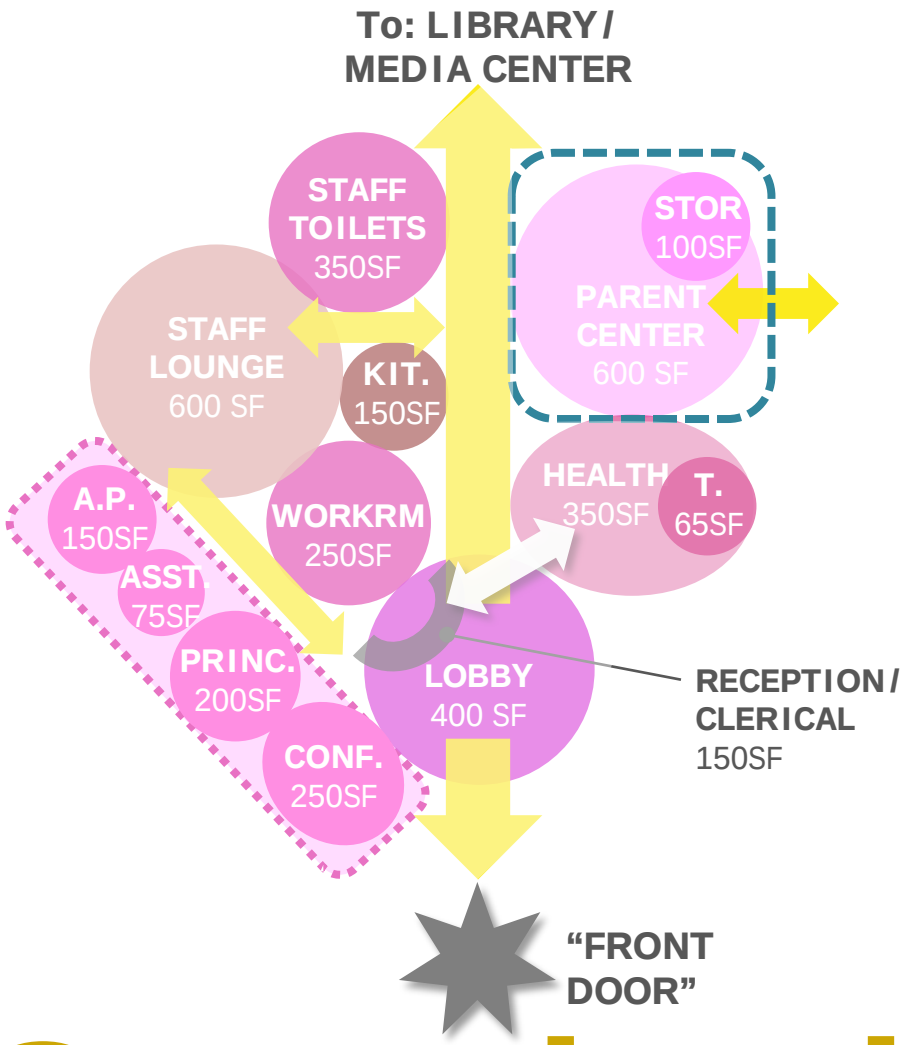
K-8 Organization

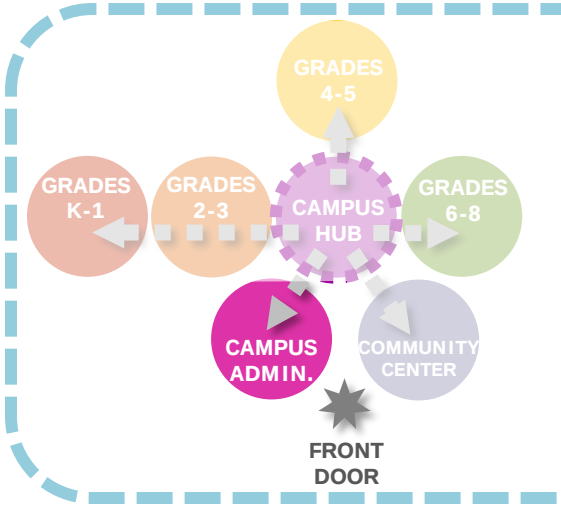
Middle School (6-8) Village



K-8 Organization

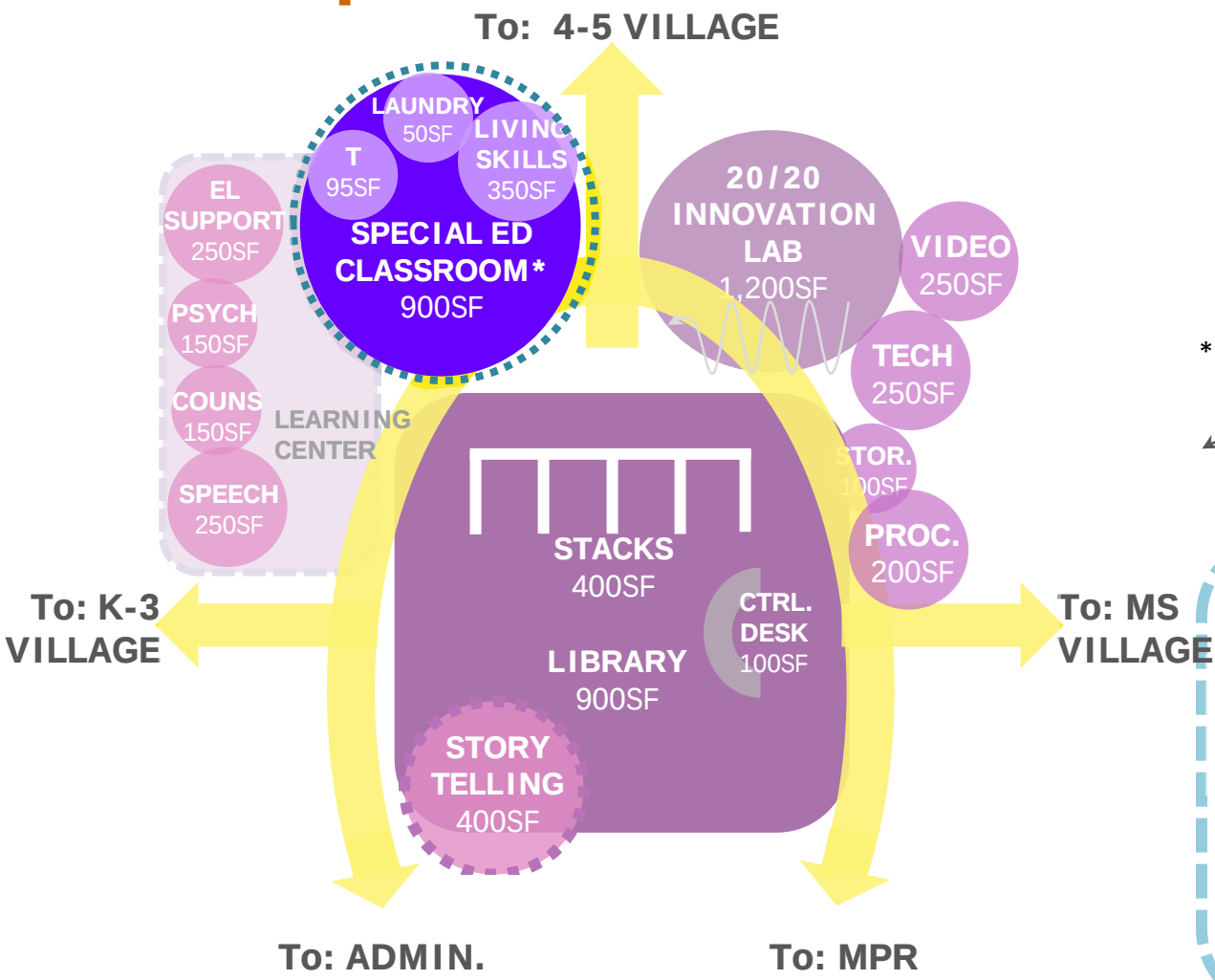
Campus Administration





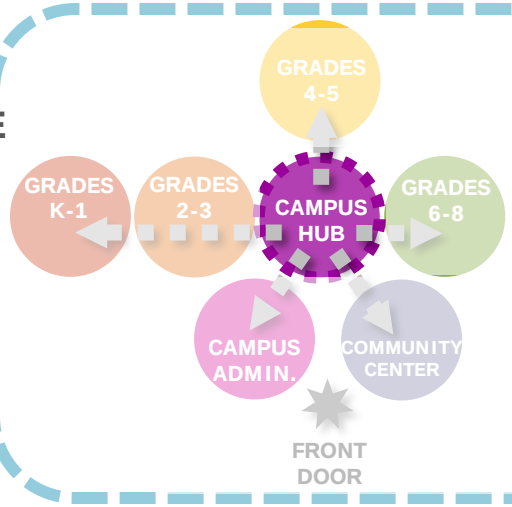
K-8 Organization

Campus Hub



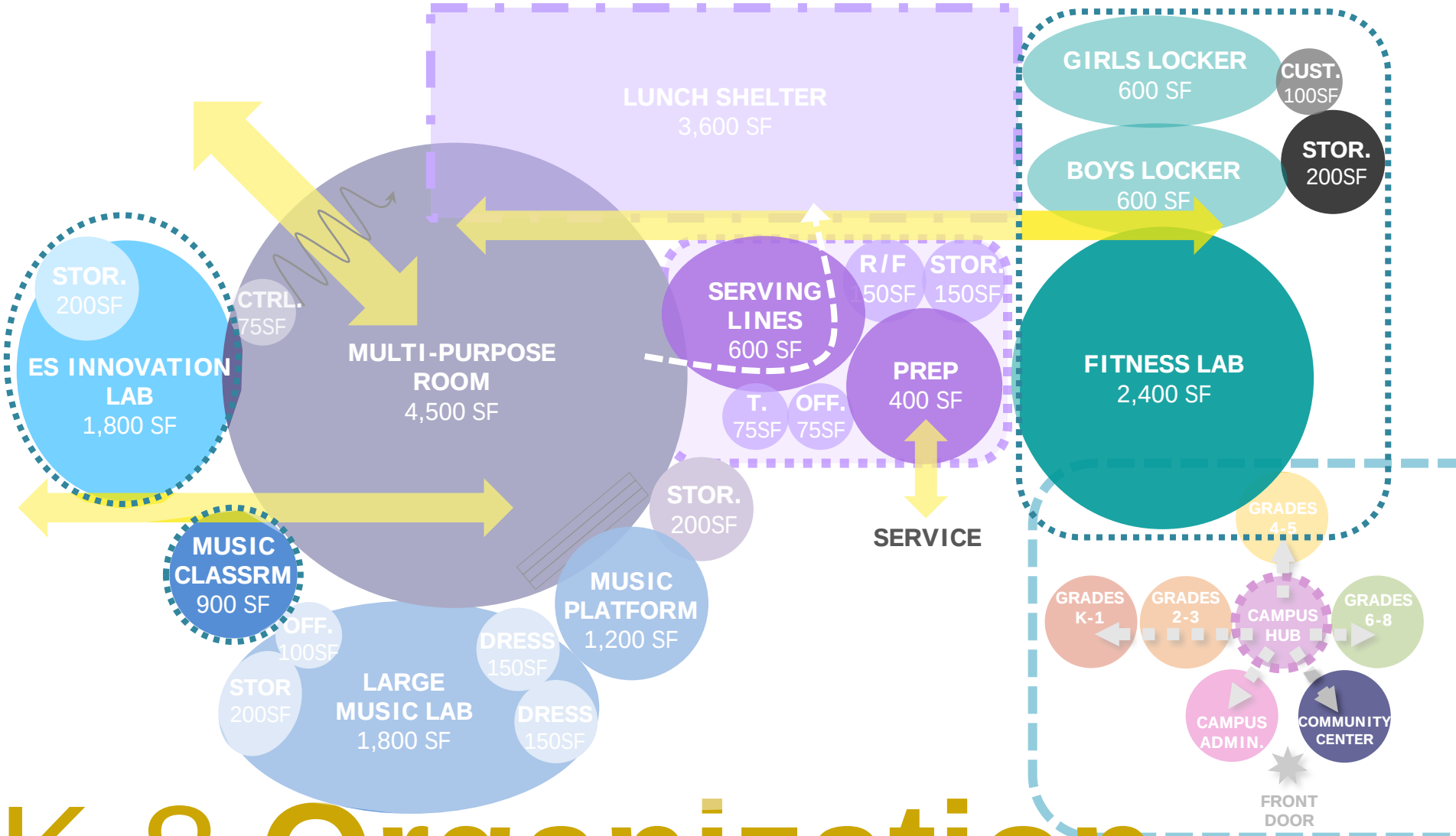
* Site Specific Based on Student Population Needs

MOVEABLE WALL



K-8 Organization

Community Center



K-8 Organization

Summary Comparison

Plaza Vista

2	Kindergarten
30	Classrooms
1	Music
1	Stage
1	Computer Lab
1	Portable
36	**Teaching Stations TOTAL***

Vista Verde

2	Kindergarten
25	Classrooms
1	Music
1	Stage
1	Computer Lab
4	Portables
1	MS Science
35	**Teaching Stations TOTAL**

K8 Master Program

4	Kindergarten
22	Classrooms
2	Music
1	Stage
1	Classroom 2020 (NexGen Lab)
3	MS Flex Labs (Science and/or Art)
1	ES Innovation Lab
1	Fitness Room
1	Special Ed. Moderate/Severe
36	**Teaching Stations TOTAL***

* Excludes 2 Special Ed/RSP

Square Foot Analysis

59,234 SF	Buildings	68,985 SF	Buildings	69,280 SF	Assignable Area
960 SF	Portable	3,840 SF	Portables	12,124 SF	Circulation
60,194 SF	TOTAL	72,825 SF	TOTAL	81,404 SF	TOTAL
900	Preferred Capacity	900	Preferred Capacity	900	Preferred Capacity
66.9	**SF/Student**	**80.9**	**SF/Student**	**90.4**	**SF/Student**

State Average SF

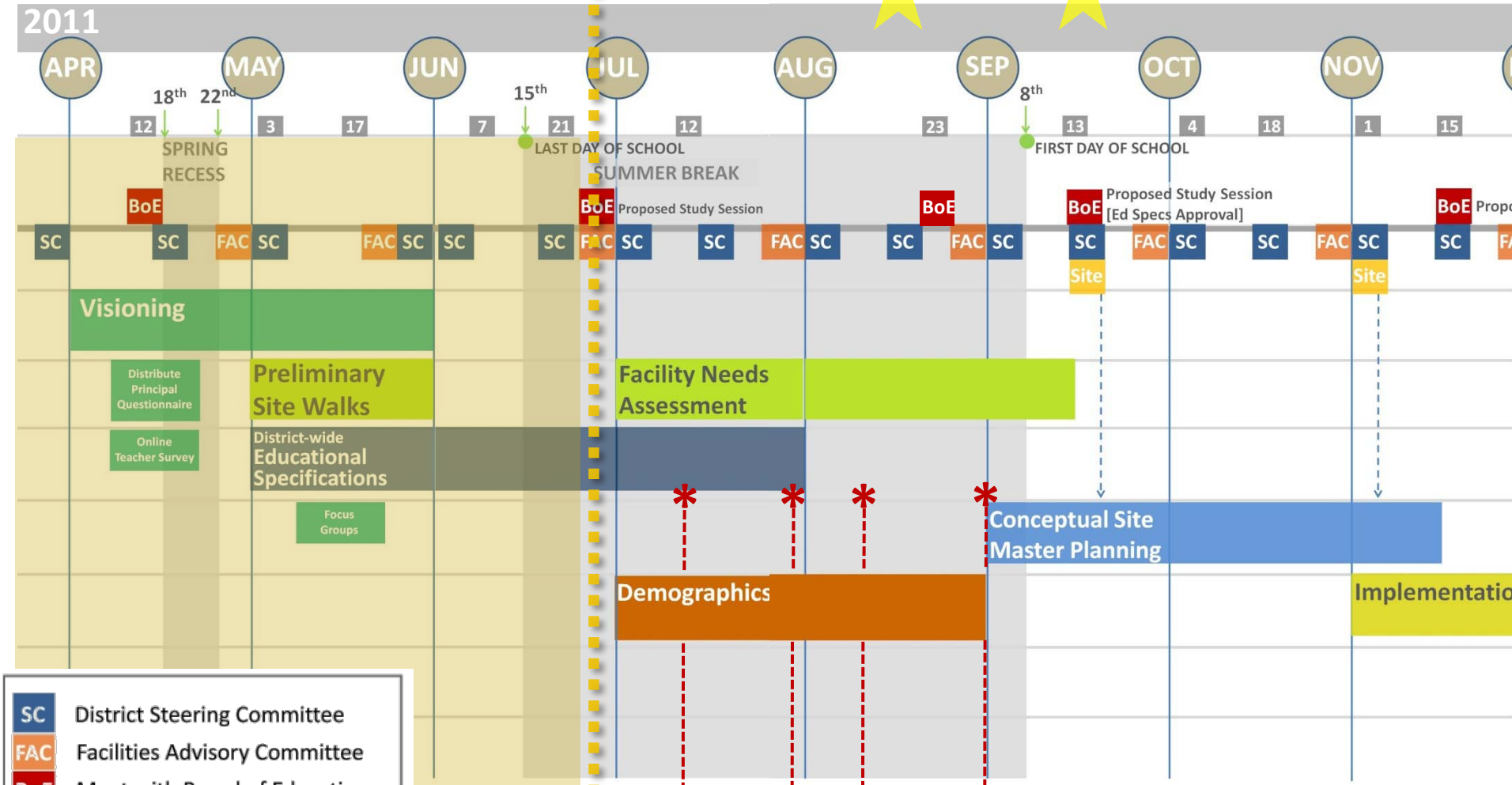
ES 65 – 75 SF/Student
MS 75 – 95 SF/Student

K-8 Organization

Looking Ahead

BoE
(1) Board Update, August 23rd
(1) Study Session, September

Today



SC District Steering Committee
FAC Facilities Advisory Committee
BoE Meet with Board of Education
Site School Site Focused Interactions
IUSD Board Meeting Dates

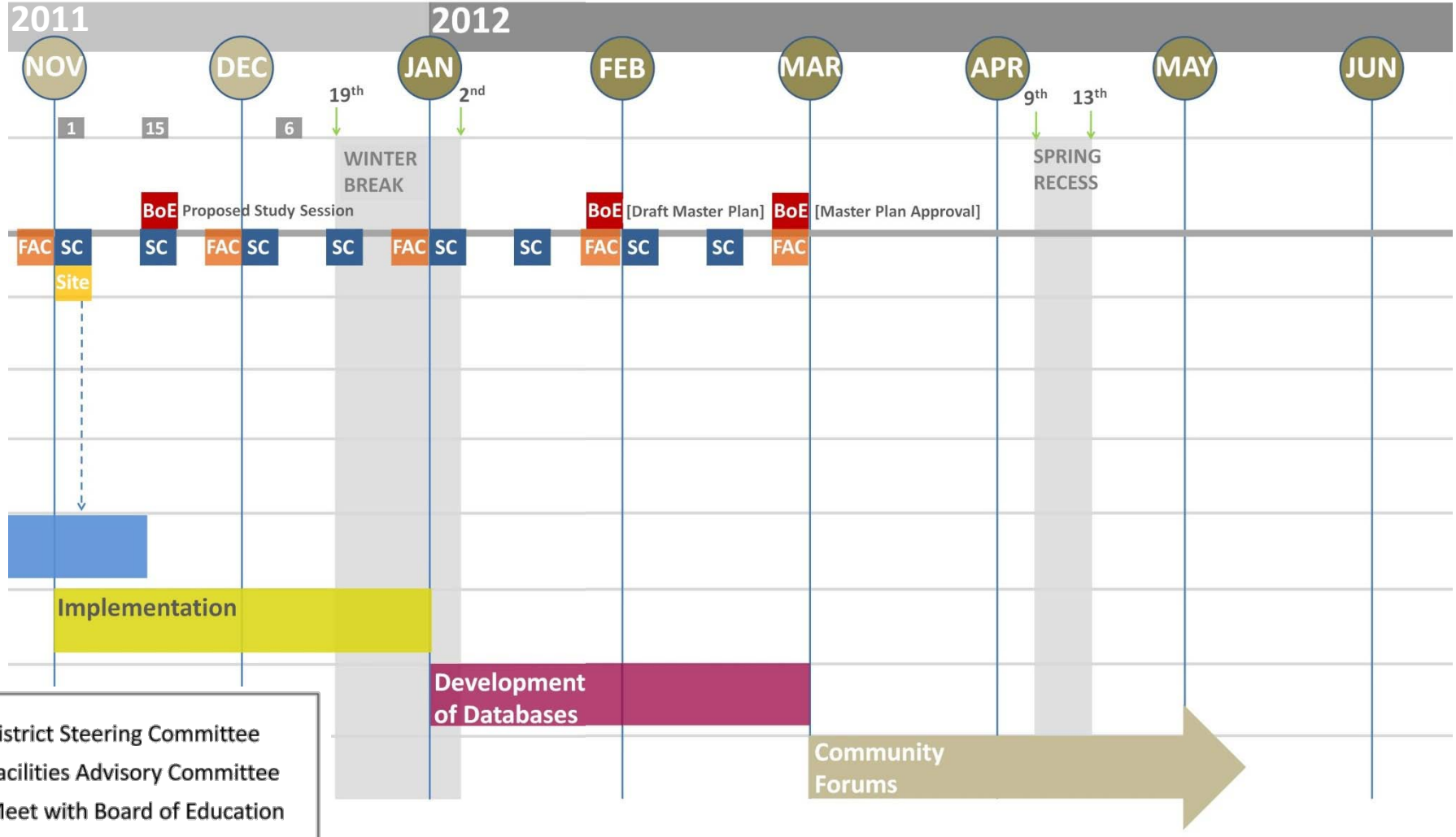
July 13th Draft K-8 Ed. Specs (Five Point Communities)

July 27th Draft ES/MS Ed. Specs

Aug. 10th Draft HS Ed. Specs

End of August City Council Approval of Five Point Communities Mitigation
Final K-8, ES, MS, HS Ed Specs Package

Looking Ahead, *continued*



Questions?

L PA

'Creating Sustainable Places and Spaces that enrich the lives of those who use them'