

# High School-Middle School Educational Visioning



Saugus Public Schools Saugus, MA

**DRAFT** 



June 2016 Frank Locker Educational Planning



## CONTENTS Ch 1 Contents + Acknowledgements

### Ch 2 Executive Summary

Introduction Educational Vision Facility Concepts

### Ch 3 Educational Vision

Introduction
Vision Components
Guiding Principles
Key Words for Education
School Transformation + Development Map
Learning Modalities
Innovative Educational Deliveries
School Structure

### Ch 4 Facility Concepts

Introduction
Key Words for Facilities
Places for Learning
Future Furniture
Overall HS-MS Relationship Diagram

### Ch 5 Appendices

5.1 Workshop Notes Day 1

5.2 Workshop Notes Day 2

5.3 21st Century Schools Presentation

5.4 Places for Learning Presentation

5.5 Future Furniture Presentation

5.6 School Transformation + Development Map

5.7 School Transformation + Development Map Results



Contents + Acknowledgements

### **ACKNOWLEDGEMENTS**

### Visioning Team

### **TEACHERS / STAFF MEMBERS**

Stephen Black SHS Fine Arts Teacher

Lorraine Devine Waybright Elementary Special Ed Teacher

Gail Hashem SHS Science Teacher

Joanne Leach Waybright Reading Teacher

Alexa Lore Oaklandvale Grade 3 Teacher

Jessica Lucier SHS Wellness Teacher

Seth Minkoff SHS World Language Teacher

Kate Payne SHS Librarian

Kim Politano BMS Wellness Teacher

Nancy Saunders BMS Guidance

Bill Stewart CC Teacher, also Town Meeting

Kelly Vanikiotis SHS Math Teacher

Jennifer Vargas Lynnhurst Kindergarten Teacher Barbara Wall Ballard Pre-School Teacher

### SCHOOL BUILDING ADMINISTRATORS

Kerry Robbins Belmonte MS Principal Acting HS Principal

### **DISTRICT ADMINISTRATORS + STAFF**

Pola Andrews Executive Director of Finance + Administration

Bakir Becirovic Sr. Network Engineer
Dr David DeRuosi Future Superintendent
Michael Hashem Acting Superintendent

Lisa Howard Executive Director of Pupil Personnel Services

Special Education

Lori Gallivan Executive Director of Curriculum, Instruction, +

Accountability

### **SCHOOL COMMITTEE**

Linda Gaieski

Jeanette Meredith Chair, also School Building Committee

MUNICIPAL

Scott Crabtree Town Manager
Jennifer D'Eon Board of Selectmen
Cran Nielseles Verther Boarders

Greg Nickolas Youth + Recreation Director

#### PARENTS + COMMUNITY

Theresa Smith Parent

### **Architect**

### **HMFH ARCHITECTS**

Lori Cowles Partner

Tina Stanislaski Project Manager

### Owner's Project Manager

### **PMA CONSULTANTS**

Kevin Nigro Joe deSantis

### **Educational Planner**

### FRANK LOCKER EDUCATIONAL PLANNING

306c Dover Point Rd Dover NH 03820 617.412.7444 www.franklocker.com

Dr Frank Locker







Executive Summary

### INTRODUCTION

This Educational Vision reflects the work of a Visioning Team; approximately 30 teachers, administrators, a parent/community representative, school committee members, municipal representatives, and the project architects. Created in two days of intense facilitated workshops, it is intended to guide the long-term development of both education and facilities for the future co-located high school and middle school.

## EDUCATIONAL VISION Guiding Principles

The *Guiding Principles* presented here were created to express the values, beliefs, and concepts developed by the Visioning Team which examined educational trends, best practices, and issues affecting the delivery of 21<sup>st</sup> century education. These *Guiding Principles* present the essence of that inquiry. They are not policy but they address the overarching themes identified by participants. They may serve as a foundation for the future high school and middle school. As such, they are intended to form the basis of future educational delivery and facilities planning. Staff professional development is crucial to the successful implementation of the educational concepts outlined here.

The Guiding Principles are:

### **Overarching Principles**

- This future-oriented Educational Vision incorporates a number of innovative 21<sup>st</sup> century educational practices already in operation in classrooms in Saugus Public Schools. Extend those practices
- Create a common understanding of this Educational Vision among administrators, faculty, parents, and students to continue shifting the educational model from one that is fairly traditional to one that is more transformed
- Prepare students for success in the 21st century, an emerging world of global competition, uncertain employment prospects, infinite access to information, and rapid change in technology
- Teach 21st century skills at the same time as traditional content

### HS-MS Ch 2 Executive Summary DRAFT

- Build relationships with students, families, and communities through school structure and programs
- Aspire beyond the Common Core and beyond the Massachusetts Department of Elementary and Secondary Education guidelines to do what is best for student learning, and to instill a life-long sense of wonder and purpose. Create independent, life-long learners
- Establish a program of staff Professional Development to support the educational deliveries outlined here

The full Guiding Principles are expressed in full in Ch 3, Educational Vision.

### **Learning Modalities**

The Visioning Team members identified these as the most effective ways for students to learn:

- Project-Based Learning
- Small Group Work/Student Collaboration
- Blended Learning/Flipped Classrooms
- Seminar Instruction

All Learning Modalities preferences are expressed in full in Appendix Ch 5.1.

### Internal School Organization

Visioning Team members reflected on model school organizational structures, and determined these to be the most appropriate structures for a co-located high school-middle school.

### MIDDLE SCHOOL

### Most appropriate:

- Themed schools within the school (thematic multi-grade interdisciplinary SLCs
- Teachers synchronously teaming, sharing students in real time

### HIGH SCHOOL Most appropriate:

- Freshman Small Learning Community, followed by themed schools within the school (thematic multi-grade interdisciplinary SLCs)
- Freshman Small Learning Community (SLC), followed by Departmental Grades 10-12
- Interdisciplinary SLCs (Teachers "teaming," sharing students but separately teaching curriculum specialties.

These most favored organizational structures call for the role of teachers to be significantly changed. Continued dialogues among educators need to start district-wide as soon as possible, extending to parents and students, to explore, share, and deploy these concepts.

See Educational Vision Ch 3 and Appendix 5.2 for full details, including least appropriate models.

### FACILITY CONCEPTS

### Places for Learning

The Visioning Team reviewed fifteen exemplar schools from the USA, the United Kingdom, and Australia. Working in Table Teams they ranked the schools for appropriateness for the future teaching and learning at a co-located high school-middle school.

Most of the schools cited as most appropriate shared these essential characteristics:

- Learning spaces arranged as Small Learning Communities
- Classrooms are components of "suites of spaces," supported by other spaces immediately adjacent
- Circulation to be used for learning
- Classrooms are to be flexible, interconnected, and supported by auxiliary spaces including Collaboration/Breakout/Commons Spaces
- Interdisciplinary possibilities
- Presentation areas immediately adjacent to Classrooms
- Variety of furnishings, offering students and teachers more choices in supporting learning



### HS-MS Ch 2 Executive Summary **DRAFT**

- Possibility of student groups working in multiple places under the guidance of the teacher
- Teacher Planning Centers to support teacher collaboration and sense of community

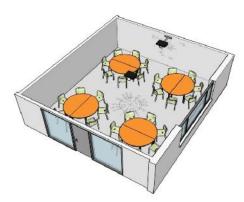
For a full description of the most appropriate and least appropriate exemplars, with illustrations, see Ch 4 Facility Concepts.

### **Future Furniture**

Visioning participants identified the most effective and appropriate furniture for the proposed high school-middle school. Here is a visual sampling of their most preferred selections.









See Ch 5.3 and Appendix Ch 5.2 for all selections, with scoring.

### Overall School Facility Relationship Diagram

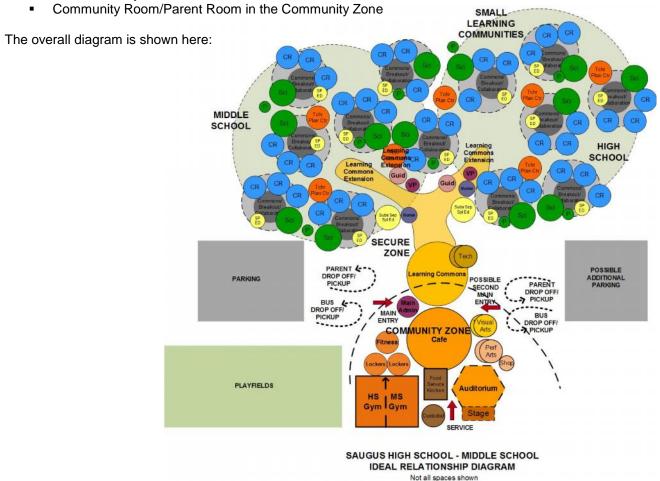
Workshop participants conceived a high school-middle school overall planning diagram. The concept featured the following essential characteristics:

- One main entry
- Secure zone for learning spaces
- Community zone with functions commonly used by the community:
  - o Gyms and Fitness
  - Auditorium
  - Cafeterias
- Overall building zones based on grade levels
  - o Secure zone has two possible organizations:
    - ✓ Grade 6-8 middle school and Grade 9-12 high school as shown here
    - Grades grouped as proposed on day I by Table Team 1:
      - Grades 6-7
      - Grades 8-9
      - Grades 10-11-12
- Within each grade grouping:
  - Small Learning Communities (SLCs) for core learning spaces:
    - ✓ Collaboration zone at the heart of each
    - ✓ Teacher Planning Center
    - ✓ Satellite Learning Commons
    - ✓ Special Education spaces
    - ✓ Toilets for students and for teachers
    - Substantially separate Special Education spaces
- Teachers do not own classrooms
- Central Learning Commons as well as satellites
  - o The heart of academic spaces
- Middle school and high school Cafeterias served by a single Food Service Kitchen
  - Cafeterias at the center of Community Zone could function as Food Courts/Lobbies
- Principals at the main entry
- Guidance and assistant principals close to learning spaces and central Learning Commons

#### HS-MS Ch 2 Executive Summary **DRAFT**



- Specials/electives between the Auditorium and the SLCs:
  - Tech Labs
  - Maker Spaces
  - Visual Arts
  - Performing Arts
  - Family/Consumer Science



Number of Classrooms not determined

A variation was developed with a separate Main Lobby and a Community Health Center. See Ch 3.

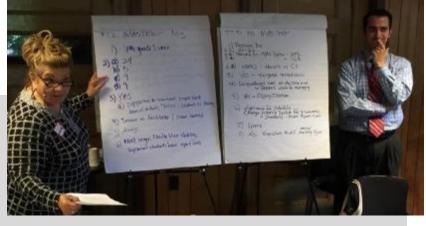




### INTRODUCTION

This Educational Vision reflects the work of a Visioning Team; approximately 35 teachers, administrators, a parent/community representative, school committee members, municipal representatives, and the project architects. Created in two days of intense facilitated workshops, it is intended to guide the long-term development of both education and facilities for a future co-located high school and middle school.

Much of the work was conducted by Table Teams, small groupings of six participants each. They brainstormed, debated, and attempted to reach consensus on most of the defining issues. Each Table Team had representatives of the different constituency groups intermixed to the greatest extent possible.



Educational Vision

### VISION COMPONENTS

The Educational Vision for Saugus Public Schools' future schools is described here through several components:

- Guiding Principles establish broad parameters for educational delivery, school structure, and facilities
- School Transformation + Development Map (ST+DM © 2016 Frank Locker Inc) relates educational delivery and facilities to national practices, both today and projected into the future
- Learning Modalities identifies the most effective and appropriate ways for teachers to reach students with curriculum delivery
- School Structure: Internal Organization defines preferred approaches to the overall relationships of people and programs

### **GUIDING PRINCIPLES**

The *Guiding Principles* presented here were created to express the values, beliefs, and concepts developed by the Visioning Team which examined educational trends, best practices, and issues affecting the delivery of 21<sup>st</sup> century education. These *Guiding Principles* present the essence of that inquiry. They are not policy but they address the

### HS-MS Ch 3 Educational Vision DRAFT



overarching themes identified by participants. They may serve as a foundation for the future high school and middle school. As such, they are intended to form the basis of future educational delivery and facilities planning. Staff professional development is crucial to the successful implementation of the educational concepts outlined here.

The Guiding Principles are:

### **Overarching Principles**

- This future-oriented Educational Vision incorporates a number of innovative 21<sup>st</sup> century educational practices already in operation in classrooms in Saugus Public Schools. Extend those practices
- Create a common understanding of this Educational Vision among administrators, faculty, parents, and students to continue shifting the educational model from one that is fairly traditional to one that is more transformed
- Prepare students for success in the 21st century, an emerging world of global competition, uncertain employment prospects, infinite access to information, and rapid change in technology
- Teach 21st century skills at the same time as traditional content
- Build relationships with students, families, and communities through school structure and programs
- Aspire beyond the Common Core and beyond the Massachusetts Department of Elementary and Secondary Education guidelines to do what is best for student learning, and to instill a life-long sense of wonder and purpose. Create independent, life-long learners
- Establish a program of staff Professional Development to support the educational deliveries outlined here

### **Educational Delivery**

Educational Delivery addresses overarching themes required to provide a 21st century high-performing educational experience for all Saugus middle and high school students.

### **INSTRUCTIONAL MODELS**

- Employ project-based learning on a regular basis
- Group students in small learning teams to foster communication, collaboration, and improved social skills, and foster differentiated instruction

- Organize teachers in teaching teams
- Create a school and community culture that values flexibility for change
- Position students to learn 21<sup>st</sup> century skills, especially the "four C's", collaboration, communication, creativity, and critical thinking, while simultaneously meeting standard curriculum goals
- Integrate the curriculum by interrelating traditionally separate content areas
- Pilot innovative deliveries such as blended learning/flipped classroom for planned future large scale implementation
- Recognize students' Multiple Intelligences in creating student centered differentiated learning experiences

### **TECHNOLOGY INTEGRATION**

Our world is dependent on technology implementation in all aspects of life. Students must be provided with the technological skills and knowledge which will enable them to function successfully in a global context. Technology should include:

- Recognize computer technology can be more effective than a teacher in recognizing individual students' learning patterns and style preferences; utilize computers as part of a strategic initiative to personalize learning
- Wireless capability in all spaces in future school buildings
- Deploy mobile devices in lieu of desktop devices
- Create places and learning goals for students to learn using new technology, including documentation of oral presentations, and the production of videos, story boards, and apps

Technology must not be viewed as a curriculum add-on, but, rather as an effective tool to be utilized in meaningful instruction that is relevant and rigorous.

### **Educational Structure**

Educational Structure establishes the organizational patterns necessary to group students and teachers in the most effective ways.

### **ORGANIZATION**

Co-locate the middle school and the high school populations in a single building to improve educational opportunities and increase operational efficiencies



### HS-MS Ch 3 Educational Vision **DRAFT**



- Explore thematic learning in both middle and high school years, in which the curriculum would be wrapped around interest areas such as arts or technology, thus offering student choice aligned with teacher passions
- Position educators to better know their students through the size and strategic placement of learning spaces

### **RELATIONSHIPS**

- Organize schools as Small Learning Communities to support formation of relationships
- Support opportunities for synchronous teacher teaming in in the middle years through common planning time, class scheduling and Professional Development
- Foster student collaboration to build communication skills and the ability to work with others

### **CURRICULUM**

- Build 21<sup>st</sup> century skills while meeting traditional curriculum goals
- Create regular opportunities for students to improve their oral communication skills

#### **SCHEDULE**

- Create common planning time for teachers
- Institute strategic scheduling changes to empower the concepts outlined in this Vision. The school schedules must provide for flexibility and collaboration

### Facility Implications

- Co-locate the middle school and high school populations in a single building with appropriate separations of the student populations
- Ease transition into high school with a Freshman Academy, a place for most core Classrooms used by Freshmen
- Create 21<sup>st</sup> century learning spaces in any new or renovated school facility
- Design facilities to be flexible, able to support multiple learning modalities, teaching styles, and program change over time
- Develop Small Learning Communities learning spaces arranged in clusters

- Select furniture that supports collaboration, different learning modalities, and is substantiated by brain research
- Create Teacher Planning Centers to foster collaboration, interdisciplinary teaching, and greater knowing of students by teachers
- Create spaces that support more "hands-on" learning
- Create building plans that offer security and safety despite constant visitors, many of whom will be active participants in student learning

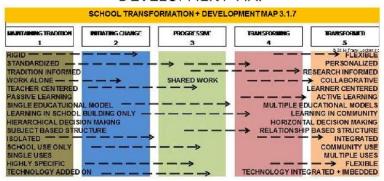
## SCHOOL TRANSFORMATION + DEVELOPMENT MAP

Workshop participants, working in three-person Micro Teams, used the School Transformation + Development Map to evaluate district elementary schools' current educational delivery and facilities, and to project the desired future for both.

The ST+DM expresses the evolutionary shift in education in great detail, chronicling educational practices and facility design. Schools today are in different points of evolution, and many schools expect to be in different points of evolution in the long-term future. The ST+DM characterizes schools and facilities on a 1 through 5 basis, with 1 as the most traditional category, and 5 as the most transformed.



### SCHOOL TRANSFORMATION + DEVELOPMENT MAP



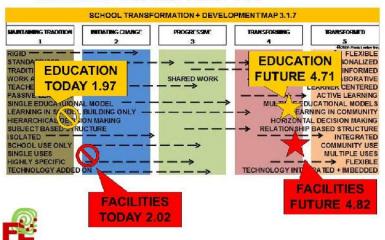
Workshop participants worked in Micro Teams to review the multiple educational practices and facilities concepts in the School Transformation + Development Map. They scored the high school and the middle school in the following categories:

- Educational Delivery Today
- Facilities Today
- Future Educational Delivery
- Future Facilities

This average score gives a general understanding of current and desired future practices and facilities. Appendix Ch 5.7 contains the results articulated by the Micro Teams.

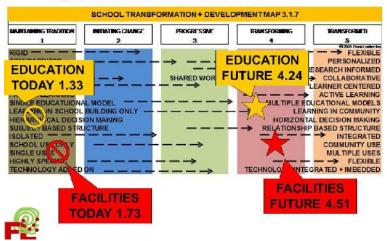
The middle school score of the Micro Teams assessing it was:

### SCHOOL TRANSFORMATION + Middle school DEVELOPMENT MAP



The average scores for the high school were:

### SCHOOL TRANSFORMATION + High school DEVELOPMENT MAP



### HS-MS Ch 3 Educational Vision DRAFT



The overall scoring of all Micro Teams was relatively close for Education and Facilities, both Now and the Future, indicating a high degree of consensus among workshop participants. Those focusing on the middle years did, however, desire a slightly more transformed future than those focusing on the high school.

The most important lessons from the ST+DM for the immediate future come from the difference between today's situation and the desired future. For both the middle school and the high school, the Visioning Team desires significant changes for education, almost three columns out of five. Desired facilities changes are as great, almost three columns.

For education this means that a program of staff professional development needs to be implemented, starting soon. For facilities, it means that facilities will not look like traditional school. In both cases dialogue with the community needs to be engaged in order to share and receive comment and guidance on the exciting concepts proposed for the future schools.

### LEARNING MODALITIES

The Visioning Team members considered twenty learning modalities, ranging from traditional lecturing and direct teaching to independent study, and ranked them in order of appropriateness.

The most commonly cited most effective modalities, in order of importance, are:

- Project-Based Learning (9 citations)
- Small Group Work/Student Collaboration (5 citations)
- Blended Learning/Flipped Classrooms (5 citations)
- Seminar Instruction (4 citations)

The most commonly cited as least effective modalities were:

- Lecture (8 citations)
- Direct Teaching (3 citations)

The full record of Learning Modalities preferences, with ranking scores, is in Appendix Ch 5.1.

## SCHOOL STRUCTURE: INTERNAL ORGANIZATION

Visioning Team members reflected on model school organizational structures, and determined these to be the most and least appropriate structures for the future high school and middle school:

### MIDDLE SCHOOL

### Most appropriate:

- Themed schools within the school (thematic multi-grade interdisciplinary SLCs
- Teachers synchronously teaming, sharing students in real time

### Least appropriate:

Departmental model

### **HIGH SCHOOL**

### **Most appropriate:**

- Freshman Small Learning Community, followed by themed schools within the school (thematic multi-grade interdisciplinary SLCs)
- Freshman Small Learning Community (SLC), followed by Departmental Grades 10-12
- Interdisciplinary SLCs (Teachers "teaming," sharing students but separately teaching curriculum specialties.

### Least appropriate:

Teachers synchronously teaming, sharing students in real time

These most favored organizational structures call for the role of teachers to be significantly changed. Continued dialogues among educators need to start district-wide as soon as possible, extending to parents and students, to explore, share, and deploy these concepts.

See Appendix Ch 5.1 for full details.





### INTRODUCTION

The Visioning Team developed concepts for a future co-located high school-middle school. The concepts are defined through:

- Places for Learning, detailed descriptions of the learning environments
- Middle School/High School Relationships, outlining possibilities for sharing spaces between the middle school and the high school
- Future Furniture, expressing desired characteristics of the next generation of school furniture
- Ideal Overall School Facility Relationship Diagram, capturing essential concepts of a future elementary school organization

### PLACES FOR LEARNING

The Visioning Team reviewed fifteen exemplar schools from the USA, the United Kingdom, and Australia. Working in Table Teams they ranked the schools for appropriateness for the future teaching and learning at the future high school-middle school

### **MOST APPROPRIATE**

Several exemplars were highly favored, selected by ½ to ¾ of the Table Teams as most appropriate. They were:

- Cristo Rev High School (cited by 3 of 4 Table Teams)
- Waverly High School (3 of 4 Table Teams)
- Ipswich Middle School (2 of 4)
- Old Town Elementary School (2 of 4)
- Bryan High School/Middle School (2 of 4)

### LEAST APPROPRIATE

Southampton High School + Thompson Middle School (unanimous, cited by all 4 Table Teams)
These schools exemplify 20<sup>th</sup> century school planning, with:

- Isolated classrooms arranged along single-purpose corridors
- Little/no support spaces for classrooms
- Grade-based and curriculum-based planning, with no consideration for building relationships



Facility Concepts



No sense of learning communities within the buildings

### **ESSENTIAL CHARACTERISTICS**

Most of the schools cited as most appropriate shared these characteristics:

- Learning spaces arranged as Small Learning Communities
- Classrooms are components of "suites of spaces," supported by other spaces immediately adjacent
- Circulation to be used for learning
- Classrooms are to be flexible, interconnected, and supported by auxiliary spaces including Collaboration/Breakout/Commons Spaces
- Interdisciplinary possibilities
- Presentation areas immediately adjacent to Classrooms
- Variety of furnishings, offering students and teachers more choices in supporting learning
- Possibility of student groups working in multiple places under the guidance of the teacher
- Teacher Planning Centers to support teacher collaboration and sense of community

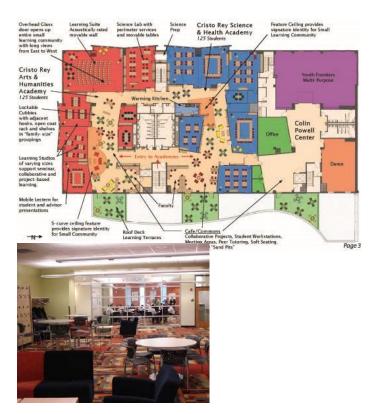
### Most Appropriate Planning Concepts

Here are representative photos, descriptions, and Table Team comments for the most commonly cited exemplar schools.

### CRISTO REY HIGH SCHOOL Cited by 3 of 4 Table Teams

### Featuring:

- Use of circulation as learning space
- Garage doors between Learning Studios and circulation spaces
- Cafeteria functions overlapped with circulation
- Teacher Planning Centers



### Table Team comments:

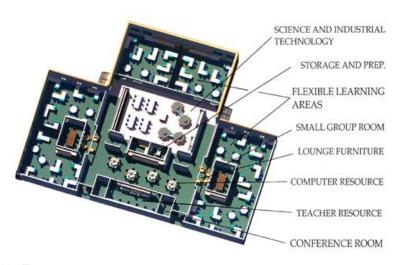
- Flexible walls
- Centralized Small Learning Communities
- Good central areas for all
- Flex walls
- Openness
- Glass
- Great flexible walls
- Group space
- Glass garage doors to extend classroom work areas



### WAVERLY HIGH SCHOOL Cited by 3 of 4 Table Teams

### Featuring:

- Small Learning Communities as "go to" places
- Use of circulation as learning space
- Folding walls between Learning Studios
- "Fat L" Classrooms wrapped around Small Group Rooms
- STEM supported by combo Science/Industrial tech labs
- Teacher Planning Centers



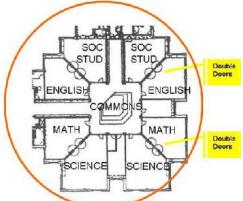
### Table Team comments:

- Bryan looks like it would fit well inside the larger model of Waverly
- Collaborative shared spaces
- Flexible walls
- Centralized Small Learning Communities
- Good central areas for all
- Flexible
- Multi-use
- Collaboration
- Condensed
- Cost-effective
- "House" feel

### IPSWICH MIDDLE SCHOOL Cited by 2 of 4 Table Teams

### Featuring:

- Arranged in "pods" or "clusters" with eight classrooms, a Teacher Planning Center, and a Special Education Resource Room in each
- Each pod is centered around a shared Commons/breakout space
- Classrooms are arranged In pairs
  - Math and science
  - o English and social studies
- Paired Classrooms have communicating double doors between them
- Commons/breakout space designed as multi-media presentation space





### Table Team comments included:

- o "House" feel
- o Common usable space
- o Concern over diagonal walls
- o Lends itself well for collaboration
- Good use of the center presentation area





### OLD TOWN ELEMENTARY SCHOOL Cited by 2 of 4 Table Teams

### Featuring:

- Classrooms arranged as a cluster around a central Commons
- The number of classrooms in a cluster intentionally does not match the number of classrooms needed for each grade level
- 6 FT wide openings between adjacent classrooms
- Commons Area has presentation area, alcoves for breakout/ tutorials, mini-Library area
- Accessible through Commons are Teacher Planning Center, Student Toilets, Storage, Specialist Offices



### Table Team comments:

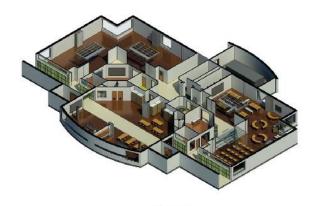
- Collaborative shared spaces
- Flexible walls
- Centralized Small Learning Communities
- Good central areas for all
- Very flexible
- Multi-use
- Common spaces

### BRYAN HIGH SCHOOL/MIDDLE SCHOOL Cited by 2 of 4 Table Teams

### Featuring:

- Use of circulation as learning space
- Garage doors between Learning Studios and circulation spaces
- Folding walls between Learning Studios
- Teacher Planning Centers
- Presentation Alcoves
- Centrally located Science/STEM Lab

### **OPEN CONFIGURATION**





E=21° STUDIO
EDUCATION SUITE FOR THE 21st CENTURY



### Table Team comments:

- Open
- Flexible
- Collaboration
- Bryan looks like it would fit well inside the larger model of Waverly
- Collaborative shared spaces
- Flexible walls
- Centralized Small Learning Communities
- Good central areas for all

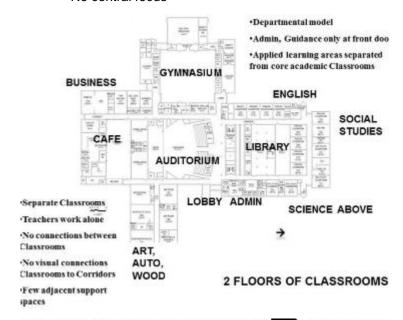


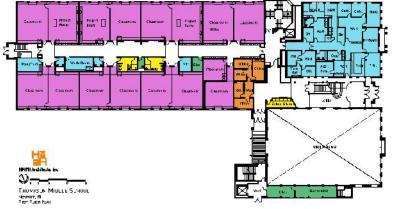
### Least Appropriate Planning Concepts

SOUTHAMPTON HIGH SCHOOL + THOMPSON MIDDLE SCHOOL Unanimous, cited by 4 of 4 Table Teams

### Featuring:

- Challenging separations between learning spaces
- Isolated classrooms
- No central focus





### Table Team comments:

- Traditional
- Sprawling
- Inflexible
- Limiting
- We already have this
- Departmentalized no sharing or collaboration

## MIDDLE SCHOOL-HIGH SCHOOL RELATIONSHIPS

The Visioning Team identified the following separations and shared use concepts critical to organizing the proposed co-located high school-middle school. Some functions have locational notes:

- A "C" indicates that the function should be located for easy access by the community
- Essential adjacencies are noted

### SEPARATE MIDDLE SCHOOL FUNCTIONS

- Most core learning studios
- PE/Athletic Locker Rooms
- Guidance
  - o Nearby HS guidance
- Assistant Principal
  - Near guidance and kids
- Nurse
  - o Adjacent to HS nurse
- Adjacent counselor
  - o Near HS Adjacent counselor
- Cafeteria
  - o Folding wall to allow combination with HS cafeteria
- Principal
  - Close to HS

#### SHARED FUNCTIONS

- Library/Media Center/Learning Commons
  - o With zoning for HS and MS within
- Phys Ed Teacher Planning Center
  - o Share with core teachers or others





- Athletic trainer
- OT/PT/Speech
- BCBA school psychologist
- Food Service Kitchen
- District Technology Office
- District Superintendent offices

### **TIME SHARED FUNCTIONS**

- Black Box (C)
- Auditorium (C)
- Stagecraft Room/Shop
- Main Gym (C)
  - o Varsity sports
- Small Gym (C)
  - Explore combining main Gym and Small Gym to create a Field House
- Fitness Center (C)
- Computer Labs
  - o Only for large screen needs
- Creative Labs
- Program Labs such as for math or writing
- Maker Space
- STEM Lab
- Some Learning Studios (formerly called Classrooms)
- Performing arts suite
  - Exact nature of time share TBD
- Visual Arts
- Health Studios

### SEPARATE HIGH SCHOOL FUNCTIONS

- Most core Learning Studios
- PE/Athletic Locker Rooms
- Guidance
  - o Nearby MS guidance
- Assistant Principal
  - o Near guidance and kids
- Nurse
  - o Adjacent to MS nurse
- Adjustment Counselor
  - Near MS
- Cafeteria

- With folding wall to combine with MS Cafeteria
- Principal's Office

### **FUTURE FURNITURE**

The HS-MS Visioning Team participants reviewed and ranked Classroom and breakout/commons furniture options for the future. Their 10 most favored selections are shown here, in order of priority:

### Animation Comparing Traditional Classrooms with Use of Breakout/Collaboration Spaces

9 like, 0 not like



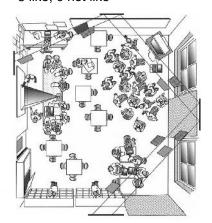


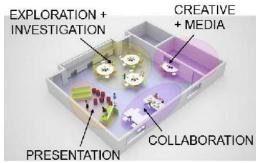
### **Steelcase Node Chairs**

9 like, 0 not like



School Furniture: Student Centered Learning - Step 5 8 like, 0 not like





### D School Maker Space, Stanford University

8 like, 0 not like









D School Maker Space, Stanford University 8 like, 0 not like





### D School Maker Space, Stanford University

8 like, 0 not like





### **Electronic Furniture**

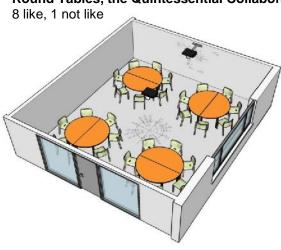
8 like, 1 not like



### Stand Up desks



### **Round Tables, the Quintessential Collaboration Statement**



### School Furniture: Student Centered Learning - Step 4 8 like, 1 not like

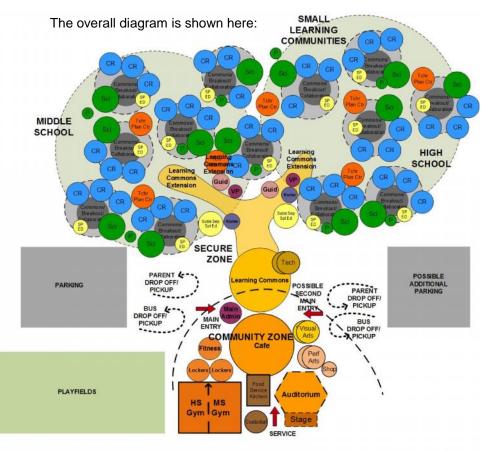


## IDEAL OVERALL SCHOOL FACILITY RELATIONSHIP DIAGRAM

Workshop participants conceived a high school-middle school overall planning diagram. The concept featured the following essential characteristics:

- One main entry
- Secure zone for learning spaces
- Community zone with functions commonly used by the community:
  - o Gyms and Fitness
  - Auditorium
  - o Cafeterias
- Overall building zones based on grade levels
  - Secure zone has two possible organizations:
    - ✓ Grade 6-8 middle school and Grade 9-12 high school as shown here
    - ✓ Grades grouped as proposed on day I by Table Team 1:
      - Grades 6-7
      - Grades 8-9
      - Grades 10-11-12
- Within each grade grouping:
  - Small Learning Communities (SLCs) for core learning spaces:
    - ✓ Collaboration zone at the heart of each
    - ✓ Teacher Planning Center
    - ✓ Satellite Learning Commons
    - ✓ Special Education spaces
    - ✓ Toilets for students and for teachers
    - ✓ Substantially separate Special Education spaces
- Teachers do not own classrooms
- Central Learning Commons as well as satellites
  - The heart of academic spaces
- Middle school and high school Cafeterias served by a single Food Service Kitchen
  - Cafeterias at the center of Community Zone could function as Food Courts/Lobbies
- Principals at the main entry

- Guidance and assistant principals close to learning spaces and central Learning Commons
- Specials/electives between the Auditorium and the SLCs:
  - Tech Labs
  - Maker Spaces
  - Visual Arts
  - Performing Arts
  - Family/Consumer Science
- Community Room/Parent Room in the Community Zone



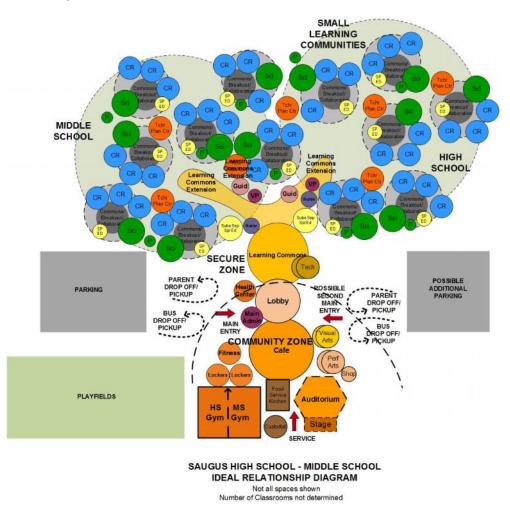
SAUGUS HIGH SCHOOL - MIDDLE SCHOOL IDEAL RELATIONSHIP DIAGRAM

Not all spaces shown Number of Classrooms not determined





Here ia an alternative concept, with a defined Main Lobby and a Community Health Center:





### **AGENDA**

The first Visioning Workshop was held on 15<sup>th</sup> June 2016. Notes of all activities follow:

- Pre-Workshop Videos
- District Visioning
- Snapshot of Belmonte Middle School + Saugus High School
- 21<sup>st</sup> Century Schools Presentation
- What Works at SHS/BMS?
- Humans Need Not Apply
- Mastery/Adaptive Learning
- Making Things to Learn
- School Structure: Internal Organization
- Learning Modalities

### PRE-WORKSHOP VIDEOS

Workshop participants had watched three videos are read one magazine article before coming together, in the spirit of blended learning. They were:

- Ken Robinson, How Schools kill Creativity
- James Paul Gee, Learning with Video Games
- Randy Nelson: Living + Working in the Collaborative Age
- Humans Need Not Apply

Here are their thoughts in response:

- Robinson on ADHD:
  - Has increased with standardized testing
  - Still on the rise in East and SE portions of the USA
  - If we change the teaching model we can lower ADHD
  - Get kids to move, manipulate
- Our schools were built centuries ago:
  - o Different goals
  - o Different times
- Divergent thinkers:
  - o In kindergarten they are 98% of the students
  - o In middle school, much lower
- Testing
  - o We should only have tests as little as possible



Notes Workshop Day 1

### HS-MS Ch 5.1 Notes Workshop Day 1 **DRAFT**



- Video games:
  - Application establishes the goal
  - Kids are actively engaged in solving problems
- ELL student from Saudi Arabia said he learned English thru video games
- Nelson correlates with Gee:
  - Collaboration
    - ✓ In video games
    - ✓ Mind Craft
      - Every person develops skills
      - Have to collaborate
- Can video games develop well-rounded skill sets?
  - Not necessarily
  - o Educators need to expand kids' skill sets
- Need to balance kids multiple-learning modalities
  - Some traditional
- Some teachers fear shift from tradition
  - o Especially if they are traditional learners

### DISTRICT VISIONING

Visioning Team members who were participants in the district Visioning shared the essentials of that experience with their table mates. Their thoughts were:

## Table Team 1 District Visioning reflection Two Most Important Issues

- Student-centered learning
- Flexible spaces (well designed)

#### Other Issues

- Project-based learning (Maker Space)
- Collaboration
- Integrated curriculum (learning)
- HS vs HS/MS
- Teacher spaces
- Different/varied furniture

## Table Team 2 District Visioning reflection Two Most Important Issues

- Small Learning Communities
  - Project-based learning
- Open space/convertible (student-controlled space)/flexible/interconnected classroom and use of corridors, garage doors

#### Other Issues

- Integrated learning
- Technology Maker Space (every classroom)
- Holograms
- Teacher synchronous teaming
- Grade-level Small Learning Communities
- HS model more like MS model
- Teacher collaborative space
- Breakout spaces
- More parent/community involvement
- Common space flowing studios

## Table Team 3 District Visioning reflection Two Most Important Issues

- Facilities do not allow for some of those changes
- Explored learning environment
  - Flexibility

#### Other Issues

- Move from more traditional to project-based learning
- Explored learning environment
  - Collaborative spaces
- We liked grouping and "theming"
  - Freshman Academy
- Independent learning experiences
- Usable space and furniture
- Usable outdoor space

### HS-MS Ch 5.1 Notes Workshop Day 1 DRAFT



### Table Team 4 District Visioning reflection

- Where we are:
  - School transformation self-assessment
  - o 1-3 OCC 4
  - Traditional Learning style
- Where we want to be:
  - o Flexible space
  - Collaboration
  - Project-based Learning
  - Lighting (natural)

### **Whole Group Discussion**

These points were made in a general discussion following:

- "Tough sells" with the community:
  - Fears of security in buildings with glass
  - Have to teach community the concept that education is changing
  - The co-located HS-MS
    - ✓ Have to show how it is a gem
  - Closing small elementary schools

## SNAPSHOT OF BELMONTE MIDDLE SCHOOL + SAUGUS HIGH SCHOOL

High school principal Brendon Sullivan and middle school principal Kerry Robbins outlined key characteristics of their schools:

- Brendon Sullivan on SHS:
  - Mostly traditional classrooms
    - √ +8 science labs
    - ✓ Some science labs repurposed
  - Three computer labs with staff
  - Lots of Chrome Book carts
  - Inadequate administrative offices
  - Arts Rooms with Black Box Theaters
  - Life skills programs for students 18-22 with IEPs
  - o Behavior program is located in an old shop
  - Saugus public-access studio is in an old wood shop
  - We have had some upgrades

- Very little teacher common space
- Poor security controls
- Infrastructure upgrades but lots of room for improvement
- Biggest problem is we have a large sprawling building
- Has extra hardly-used spaces
- Lots of security breaches
- Current enrollment is 700 students 9-12
- Specialists include Speech
- District Guidance Director is located at SHS
- College prep HS curriculum
  - Expanded AP classes recently offering Spanish and Italian
- Strong fine arts curriculum
- Strong technology
- Good number of electives despite budget cuts
- Good childcare program
- Schedule
  - ✓ M/TH/F 47 minute, 7 periods
  - ✓ Tue/Wed long blocks
    - Mentor period
    - Common planning time
- Lots pf educational challenges presented by facility
- Very little common space for teachers
- PE/athletics
  - √ Fields sub-par
  - ✓ Some recent Gym upgrades but need lots more
  - √ No sprinklers
  - ✓ Fire Drill safety issues
- Auditorium
  - ✓ Light and sound equipment lacking
- Kerry Robbins on BMS:
  - Not enough lockers
  - Most office spaces not private
  - Guidance not private
  - Renovation three years ago
    - ✓ Security 80% complete
  - Sprinklers OK
  - o 660 Students
    - √ 98/EPS
  - o Three floors:



#### HS-MS Ch 5.1 Notes Workshop Day 1 DRAFT



- ✓ Academic team on each
- ✓ Encore staff at each floor
- We practice a true MS philosophy
- Honors courses: ✓ Two at 7<sup>th</sup> Grade
  - ✓ Three at 8<sup>th</sup> Grade
- 1 Computer Lab and Chrome Books for each team
  - ✓ Behind most schools systems
- Do not have a librarian
  - ✓ Volunteers instead
- 40 minute blocks
  - ✓ 6 periods per day
- Encore is scheduled on alternating days
- As 6-12 need to focus on district-wide social curriculum
  - ✓ Behavior
  - ✓ Will gain consistency
- 23 kids/class average
- There will be many issues if building is repurposed for elementary use

### 21st CENTURY SCHOOLS PRESENTATION

Frank Locker presented on the changing values, goals, and deliveries that characterize the most progressive thinking about schools in the United States, and worldwide, today. Key points included:

- 20<sup>th</sup> vs 21<sup>st</sup> century schools:
  - o The 20th century was a century of creating efficient schools; the 21st century has been a century of looking for effectiveness in schools
  - o 20th century was the century of the teacher; 21st century is the century of the learner
  - o The teacher used to hold all the information; now the teacher is the guide
- Research in learning informs us of many effective educational practices
  - o Some are gaining popularity
  - Others are not yet in general practice
- Learning is more effective when students apply their learning immediately

- The Multiple Intelligence Ttheory explains why different students learn best in different ways
- 21st Century Skills Framework offers a clear concept of skills students need for success in our rapidly changing global economy. It establishes:
  - o Core, subject-based learning is not sufficient any more
  - Learning relevant 21st century survival skills is just as important, perhaps more important. These include:
    - ✓ Learning and innovation skills
    - ✓ Life and career skills
    - ✓ Information, media, and technology skills
  - Craig Jerald was cited as researching the most important traits that business and industry really want professionalism/work ethic
  - o Learning should be interdisciplinary, bridging the gaps between subject areas
  - Learning should be infused with 21st century themes. These include:
    - ✓ Global awareness
    - ✓ Financial, economic, business and entrepreneurial literacy
    - ✓ Civic literacy
    - ✓ Health literacy
  - Learning is a social activity. Students learn better when they are in strong relationships with teachers and peers
  - The Relevance and Rigor Framework of the International Center for Leadership in Education correlated Bloom's Taxonomy with application, offering a concise understanding of effective learning
  - Google's Futurist has identified future new job titles
    - ✓ University Dismantler
    - ✓ Wireless Electrician
    - ✓ Urban Agriculturalist
  - Teachers' work is supported through strong relationships with other professionals
  - Schools are looking for more community connections to improve student learning
  - Flexible furniture is needed to bring the student the support to learn in a variety of modalities



### HS-MS Ch 5.1 Notes Workshop Day 1 **DRAFT**



### Individual Responses

Visioning Team members scored the importance of the different issues outlined while Frank was presenting. They were asked ""How important are these issues to teaching and learning at our future high school and middle school?"

A compilation of their scores is shown below. Individual comments follow on the next page:

| ISSUE   | VERY<br>IMPORTANT | IMPORTANT       | DON'T    | MAYBE    | NOT<br>IMPORTANT | SCARY<br>TO ME |
|---|-------------------|-----------------|----------|----------|------------------|----------------|
| 1 Learning Pyramid                                      | _6_               | 8               | _1_      | _3_      | -                | _              |
| 2 Gardner: Multiple Intelligences                       | 5                 | _12             | _        | _1_      | -                | _1_            |
| 3 Integrate arts in core learning                       | _5_               | _10             | _3_      | -        | -                |                |
| 4 Environmental Sciences/Sustainable Livi               | ng/STEM/S<br>_18  | TEAM/Engi<br>7_ | ineering |          |                  | (              |
| 5 Relationships: Dunbar's Law, "Magic of 1              | 150"<br>5         | 8               | 5        |          |                  |                |
| 6 Computers for Learning: Adaptive Learning             |                   |                 |          | er Games |                  | _1_            |
| 7 Revised Bloom's Taxonomy                              | _2_               | _11             | _4_      | _1_      | (d <del></del> ) | ×              |
| 8 Daggett: Relevance + Rigor Framework                  | 5                 | _8_             | _4_      |          | 0 <u></u>        | 427            |
| 9 21 <sup>st</sup> Century Ski <b>≣</b> s               | _11               | _7_             |          | -        |                  | <u>-</u>       |
| 10 Jerald's Research on 21 <sup>st</sup> Cent Education | on _7_            | _7_             | _4_      | —        | _2_              | -              |
| 11 Project Based Learning, Africa, Café Pa              | resien<br>_12     | 6               | _        |          |                  |                |
| 12 Deeper Learning                                      | _7_               | _7_             | _2_      | NN       | _1_              | V              |

| ISSUE                                       | VERY<br>IMPORTANT | IMPORTAN | T DON'T<br>KNOW | MAYBE | NOT<br>IMPORTANT | SCARY<br>TO ME |
|---|-------------------|----------|-----------------|-------|------------------|----------------|
| 13 Making Things to Learn                   | 8                 | _10      |                 |       |                  |                |
| 14 Small Learning Communities               | _16               | _2_      |                 |       |                  | -              |
| 15 Flexible, Varied, Brain-Based Furniture  | _13               | 5        |                 | -     |                  | -              |
| 16 New Technology Close by                  | 9                 | _7_      | _1_             |       |                  | _1_            |
| 17 21 <sup>st</sup> Century Learning Spaces | _15               | 3        |                 |       |                  |                |
| 18 Teacher Planning Centers                 | _12               | 5_       | _1_             | -     |                  | -              |
| 19 End of the Library As We Know It Today   | 5                 | _10      | _3_             |       |                  | -              |
| 20 End of the Cafeteria as We Know It Today | 6                 | _11      |                 | _1_   |                  |                |
| 21 Flexibility for Change                   | _16               | _2_      |                 |       |                  |                |
| 22 Collaboration/Breakout/Commons           | _15               | _3_      |                 |       |                  | _1_            |
| 23 Teacher Teaming/Collaboration            | 9                 | _7_      | _2_             |       |                  | _1_            |
| 24 End of the Classroom as We Know It Today | _11               | 5        | _2_             |       |                  | -              |
| 25 Co-Located Middle Schools + High Schools | 8                 | 5        | _2_             |       |                  |                |

### **Individual Comments**

Comments from individual Visioning Team members in response to the presentation issues follow:

### **ISSUE**

### 1 Learning Pyramid

- Too not applicable
- Engagement is most important
- Outdated doesn't properly articulate different learning styles
- Minimize reading? Disagree with that idea
- Varies by student, case to case

### 2 Gardner: Multiple Intelligence

Depends how we use it

### 3 Integrate Arts in Core Learning

- Hands-on etc, good
- Only a good idea if done very well and individually

### 4 Environmental Sciences/Sustainable Living/STEM/STEAM/Engineering

Do kids want it?

### 5 Relationships: Dunbar's Law, "Magic of 150"

Relationships are crucial

### 6 Computers for Learning: Adaptive Learning, Blended Learning, Computer Games Learning

- I'm skeptical but open-minded. I think technology is overrated
- BALANCE NEEDED person to –person interaction still crucial
- Feasible

### 7 Revised Bloom's Taxonomy

### 8 Daggett: Relevance + Rigor Framework

- Makes sense
- Moving towards project-based learning

### 9 21<sup>st</sup> Century Skills

### 10 Jerald's Research on 21st Century Education

- Misrepresents skills developed in "core" subjects except English
- Need context

### 11 Project-Based Learning, Africa, Café Paresien

### 12 Deeper Learning

### 13 Making Things to Learn

- Hands-on vital, wind example
- Integrates cognition

### 14 Small Learning Communities

- Program of spaces, configurations
- Helps build relationships

### 15 Flexible, Varied, Brain-Based Furniture

- Experiment with various furniture styles good idea
- I'd like to see research, data about this
- Students feel a sense of comfort in class

### 16 New Technology Close by

- Vital for access to technology for learning
- I'm skeptical but open-minded. Technology is overrated
- Centers in Learning Commons Room real, UK horizontal smartboards
- Four-year old CPU's now considered ancient

### 17 21<sup>st</sup> Century Learning Spaces

- Should be basis for layout design in new facility
- This matters but not as much as what the humans do

### **18 Teacher Planning Centers**

- Incorporate this concept
- This matters but not as much as what the humans do
- South Paris, ME

### 19 End of the Library as We Know It Today

Update it but not sure of the one shown

### 20 End of the Cafeteria as We Know It Today

### HS-MS Ch 5.1 Notes Workshop Day 1 DRAFT



Again updated but not sure

### 21 Flexibility for Change

- Very important aspect
- New Tech HS Calif

### 22 Collaboration/Breakout/Commons

Really good idea, but are these spaces actually used?

### 23 Teacher Teaming/Collaboration

It depends who the teachers are. Teachers who aren't on the same page shouldn't be forced to team together

### 24 End of the Classroom as We Know It Today

 We need to prepare students for college which hasn't moved forward → balance

### 25 Co-Located Middle Schools + High Schools

- Separate Cafeterias/Gyms
- Careful thought should go into this!
- Worry about common space conflict

#### 26 Other

- Hs-MS models for us:
  - Scituate, MS
  - o Central Falls, RI
  - North Olmstead, OH

### WHAT WORKS AT SHS/BMS?

The whole group brainstormed on what currently works at the secondary schools.

Here are the Visioning Team's thoughts:

### Works

- High School
  - o Partnership with Ballard

- ✓ PK Early Child Lab
- Practical hands-on experience for
- Middle School
  - o Team time in schedule
    - ✓ Teacher collaboration
  - Pilot programs
    - √ Nest steps for success
      - SPLED
      - With Saugus Recreation Department
      - At risk social
    - ✓ Instructional leadership teams
      - Feedback facilitators
- High School
  - o Fine arts great
    - ✓ Despite facilities
  - Good Library despite facilities
    - ✓ Research

### HUMANS NEED NOT APPLY

This video outlined the rapid and pervasive changes in the world-wide workplace, with computer robots performing tasks we conventionally believe to be the exclusive domain of humans. Virtually no field of work has been unaffected by "bots," including law and art. It demonstrates that computers are able to perform many tasks better than humans, and suggests that our concepts of fulfillment in work and full unemployment may be short lived.

Workshop participants were asked "What from this video applies to your future school(s)?"

Their responses were:

- We should help kids define the kind of world they want
- We have no concept of what this will be like
- Sweden is experimenting with guaranteed income
- Bots answer "what", not "why"

### MASTERY/ADAPTIVE LEARNING

This was the challenge:

### **MASTERY/ADAPTIVE LEARNING**

Identify a focus/familiarity: Middle High Table Team discussion and report out

### **DEFINITIONS**

Standard learning: seat time is constant; amount of learning varies by student.

Mastery learning: seat time is variable; learning is mastered. Adaptive learning: technology is used as a tool to support Mastery Learning.

### **CURRENT PRACTICES**

- 1. Identify a classroom, by grade level and subject at one of your schools.
- 2. Answer these questions:
  - a. How many students in the class?
  - b. How many students are learning below grade level?
  - c. How many are above?
  - d. How many students don't want others to know when they don't understand the learning material?

### **NEXT PRACTICES**

- Could mastery learning improve learning? YES or NO
  - a. If "yes", how?
- 4. What would classroom activities look like? Describe how a teacher could guide/manage teaching like this.

- 5. Could learning be enhanced by use of computers with adaptive learning programs?
- 6. What might mastery learning mean for scheduling? For graduation concepts?
- 7. What might mastery learning mean for facilities?
- 8. Do you think Saugus Public Schools should support mastery-based, adaptive learning in all classrooms on a regular basis? YES or NO
  - a. Why?
  - b. Why not?

Two table teams addressed this challenge. Responses were:

### **TABLE TEAM 2**

Mastery (Adaptive) Learning

Middle school focus

- 1 Classroom:
  - o 7<sup>th</sup> Grade science
- 2 Questions:
  - A Students in the class:

**√** 24

B Students below grade level:

✓ 5

C Students above:

√ 6

D Don't want others to know:

**√** 9

- 3 Mastery improves learning?
  - Yes
    - ✓ A supporting environment, project-based, teams of students, "stations", students as teachers
- 4 Classroom activities?
  - o Teacher as facilitator/student-centered
- 5 Computers?
  - o Always
- 6 Schedule?
  - Need longer, flexible block scheduling, implementing standards-based report cards

### HS-MS Ch 5.1 Notes Workshop Day 1 **DRAFT**



### 7 Facilities?

 Larger, open, flexible for collaboration, varied sizes, teaching-based "stations"- not assigned classrooms, all have the same technology, operable walls, classroom walls with character building materials/social learning/student work

### 8 Support?

Yes – but a steady transition

### **TABLE TEAM 3**

Mastery (Adaptive) Learning Elementary school focus

- 1 Classroom:
  - o Freshman biology
- 2 Questions:
  - A Students in the class:
    - ✓ 20-22
  - B Students below grade level:
    - ✓ Based on MCAS data 29%
  - C Students above:
    - ✓ Based on MCAS data 16%
  - D Don't want others to know:
    - √ Varies honors vs CP

### 3 Mastery improves learning?

Yes – targeted remediation/enrichment

### 4 Classroom activities?

- o Doing different labs at the same time
- o Teachers would be managing

### 5 Computers?

Yes – flipping classrooms

#### 6 Schedule?

 Nightmare for scheduling, changing grading system for graduation, standards-based report card

### 7 Facilities?

Space

### 8 Support?

No, exposure to different teaching/learning styles

### MAKING THINGS TO LEARN

The Visioning Team responded to this challenge:

## MAKING THINGS TO LEARN Identify a focus/familiarity: Middle High Table Team discussion and report out

- 1. Do you believe that making things can contribute to a student's cognitive growth?
  - a. How and why?
  - b. Does this apply to our highest achieving students?
- 2. Do you believe that "making things" can contribute to a student's sense of self-worth?
  - a. How and why?
  - b. Does this apply to our highest achieving students?
- 3. Develop a scenario for making things to learn
- 4. How low on the grade spectrum could "making things to learn" be effective?
- 5. Do you think Saugus Public Schools should support "making things to learn" on a regular basis in core classes?
  - a. If not all, which ones?
  - b. If not regularly, when?
- 6. What might this mean for facilities?

Two Table Teams explored this issue. Their responses were:

### TABLE TEAM 1

**Making Things** 

1 Contribute to cognitive growth?

A How and why?

√ Yes – creating makes students more engaged

B Apply to highest achieving?



#### HS-MS Ch 5.1 Notes Workshop Day 1 DRAFT



- √ Yes creating/making/synthesizing is an important part of every student's learning
- 2 Contribute to self-worth?
  - A How and why?
    - √ Yes ownership and self-confidence/pride
  - B Apply to highest achieving?
    - ✓ Yes
- 3 Scenario:
  - Making a robot collaboration between
    - ✓ Auto CAD
    - ✓ Math geometry
    - ✓ Physics distance
    - √ 3D printer collaboration with experts
- 4 How low on grade spectrum?
  - o K-12 never too early to start making things
- 5 Support in core?
  - o Yes
- 6 What might this mean for facilities?
  - New HS with flexibility

### **TABLE TEAM 4**

**Making Things** 

Middle school focus

- 1 Contribute to cognitive growth?
  - A How and why?
    - ✓ Yes, because it makes things valuable, tangible.
  - B Apply to highest achieving?
    - ✓ Yes, should be an option for them
- 2 Contribute to self-worth?
  - A How and why?
    - ✓ Yes, pride in their work, opportunity for oral expression
  - B Apply to highest achieving?
    - ✓ Yes, again should be optional
    - ✓ Encourages both teamwork and collaboration
- 3 Scenario:
  - Scenario = paper gliders
    - ✓ Measurement/graphing/looking at differences (nose, tail, wings/body length)
- 4 How low on grade spectrum?
  - o All levels depending on learning styles

### 5 Support in core?

o Yes - on a regular basis

### 6 What might this mean for facilities?

- o Need multiple spaces for walking, for storage, tools, materials - good lighting
- \*Opportunity for teachers to collaborate cross-curriculum

### SCHOOL STRUCTURE: INTERNAL **ORGANIZATION**

This was the challenge:

SCHOOL STRUCTURE: INTERNAL ORGANIZATION Identify a focus/familiarity: Middle High Table Team discussion and report out

### **ORGANIZATIONAL CONCEPTS**

CREATE THE MOST APPROPRIATE CONCEPT FOR THE FUTURE FROM AN EDUCATIONAL POINT OF VIEW

- 1. Rank the following, from most appropriate(=1) to least appropriate (=7)
- 2. Analyze your most appropriate one:
  - a. Elaborate on the structure to give it more definition
  - b. Combine possibilities if desired
  - c. Identify the Pros and Cons
  - d. What would you do to mitigate the Cons?



### MIDDLE SCHOOL ORGANIZATIONAL MODELS

- A. Departmental model
- B. Grade Level SLCs (Teachers "teaming," sharing students but separately teaching curriculum specialties)
- C. Grade Level SLCs, as choice B but add teachers looping
- D. Multi-grade SLCs
- E. Themed school(s) within the school (thematic multi-grade interdisciplinary SLCs)
- F. Teachers synchronously teaming, sharing students in real time
- G. Other

### HIGH SCHOOL ORGANIZATIONAL MODELS

- A. Departmental model Grades 9-12
- B. Freshman SLC, followed by Departmental Grades 10-12
- C. Interdisciplinary SLCs (Teachers "teaming," sharing students but separately teaching curriculum specialties)
- D. Freshman SLC, followed by themed schools within the school (thematic multi-grade interdisciplinary SLCs)
- E. Themed school(s) within the school (thematic multi-grade interdisciplinary SLCs)
- F. Teachers synchronously teaming, sharing students in real time
- G. Other

SLC = Small Learning Community

Responses were:

### TABLE TEAM 1 School Structure High school focus

### 1. Rank the following, from (1=) most appropriate to least appropriate

| SCHOOL STRUCTURE: HIGH  |   |  |
|---|---|--|
|   |   |  |
| HIGH SCHOOL ORGANIZATIONAL MODELS   | 1 |  |
| A. Departmental model Grades 9-12   | 6 |  |
| B. Freshman SLC, followed by Departmental Grades 10-12  | 3 |  |
| C. Interdisciplinary SLCs (Teachers "teaming," sharing students but separately teaching curriculum specialties) | 2 |  |
| D. Freshman SLC, followed by themed schools within the school (thematic multi-grade interdisciplinary SLCs)     | 4 |  |
| E. Themed school(s) within the school (thematic   | 5 |  |
| F. Teachers synchronously teaming, sharing students in real time  | 7 |  |
| G. Other  | 1 |  |
|   |   |  |

### 2. Analyze your most appropriate one: C + G

- a. Elaboration:
  - 0 6-7
    - ✓ Making things
    - ✓ Team model
  - 0 8-9
    - ✓ Transitional model
    - ✓ Integrated
  - 0.10 12
    - ✓ Interdisciplinary SLC
    - ✓ Teaming curriculum, specials
    - ✓ School within school academy
    - ✓ Long-distance learning options
- b. Combine possibilities if desired
- c. Pros
  - Deal with transition issues
  - Instructor/style match level (age) (skills)





- Allows progress
- o More AP

### Cons

- o Scheduling
- d. Mitigate the Cons:
  - Flexibility

### TABLE TEAM 2 School Structure Middle school focus

1. Rank the following, from (1=) most appropriate to least appropriate

| • • •   |   |  |  |  |
|---|---|--|--|--|
| SCHOOL STRUCTURE: MIDDLE                        |   |  |  |  |
|   |   |  |  |  |
| MIDDLE SCHOOL ORGANIZATIONAL MODELS             | 2 |  |  |  |
| A. Departmental model                           | 7 |  |  |  |
| B. Grade Level SLCs (Teachers "teaming,"        |   |  |  |  |
| sharing students but separately teaching        | 5 |  |  |  |
| curriculum specialties)                         |   |  |  |  |
| C. Grade Level SLCs, as choice B but add        |   |  |  |  |
| teachers looping                                | 4 |  |  |  |
| D. Multi-grade SLCs                             | 6 |  |  |  |
| E. Themed school(s) within the school (thematic | 3 |  |  |  |
| multi-grade interdisciplinary SLCs)             | Ľ |  |  |  |
| F. Teachers synchronously teaming, sharing      | 2 |  |  |  |
| students in real time                           | Ĺ |  |  |  |
| G. Other  | 1 |  |  |  |
|   | 1 |  |  |  |

### 2. Analyze your most appropriate one: E + F

- a. Elaboration:
  - $\circ$  E + F multi-grade = G
  - Themed Small Learning Communities with teachers teaming
  - Sharing students
  - Interdisciplinary project-based lessons
  - Single grade
  - o Students choose theme to follow (rank preferences)
    - ✓ 8 Hum STEM
    - ✓ 7 Hum STEM

### ✓ 6 Hum STEM

### b. Combine possibilities if desired

### c. Pros

- o Get to know students well
- o Shared teacher prep
- Collaboration
- Support
- Investment
- Accountability
- Variety of perspectives

#### Cons

- Need more PD
- Complacency

### d. Mitigate the Cons:

- Rotate teachers to avoid complacency
- o Good supervision

### TABLE TEAM 3 High school focus

1. Rank the following, from (1=) most appropriate to least appropriate

| SCHOOL STRUCTURE: HIGH                              |   |  |  |  |
|---|---|--|--|--|
|   |   |  |  |  |
| HIGH SCHOOL ORGANIZATIONAL MODELS                   | 3 |  |  |  |
| A. Departmental model Grades 9-12                   | 5 |  |  |  |
| B. Freshman SLC, followed by Departmental           | 3 |  |  |  |
| Grades 10-12  | 3 |  |  |  |
| C. Interdisciplinary SLCs (Teachers "teaming,"      |   |  |  |  |
| sharing students but separately teaching curriculum |   |  |  |  |
| specialties)  |   |  |  |  |
| D. Freshman SLC, followed by themed schools         |   |  |  |  |
| within the school (thematic multi-grade             | 1 |  |  |  |
| interdisciplinary SLCs)                             |   |  |  |  |
| E. Themed school(s) within the school (thematic     | 2 |  |  |  |
| F. Teachers synchronously teaming, sharing          | 6 |  |  |  |
| students in real time                               | U |  |  |  |
| G. Other  | 7 |  |  |  |
|   |   |  |  |  |

2. Analyze your most appropriate one: D

### HS-MS Ch 5.1 Notes Workshop Day 1 DRAFT



### a. Elaboration:

- Have exploratory classes as freshman and then move into interested area
  - √ 12,11,10 175
  - √ 9 200

### b. Combine possibilities if desired

### c. Pros

- Appeal to student interest
- Separate freshman
  - √ 9<sup>th</sup> = transitional year
  - ✓ Developmentally different
  - ✓ Connect to teachers

### Cons

Fewer exposures to other teachers/interests

### d. Mitigate the Cons:

- o Same "core"
- Allow for movement
- Rotate teachers

### **TABLE TEAM 4**

### Middle school focus

1. Rank the following, from (1=) most appropriate to least appropriate

| SCHOOL STRUCTURE: MIDDLE                        |   |  |  |
|---|---|--|--|
|   |   |  |  |
| MIDDLE SCHOOL ORGANIZATIONAL MODELS             | 4 |  |  |
| A. Departmental model                           | 6 |  |  |
| B. Grade Level SLCs (Teachers "teaming,"        |   |  |  |
| sharing students but separately teaching        | 4 |  |  |
| curriculum specialties)                         |   |  |  |
| C. Grade Level SLCs, as choice B but add        |   |  |  |
| teachers looping                                | 5 |  |  |
| D. Multi-grade SLCs                             | 3 |  |  |
| E. Themed school(s) within the school (thematic | 1 |  |  |
| multi-grade interdisciplinary SLCs)             | ' |  |  |
| F. Teachers synchronously teaming, sharing      | 2 |  |  |
| students in real time                           |   |  |  |
| G. Other  |   |  |  |
|   |   |  |  |

### 2. Analyze your most appropriate one: E

### a. Elaboration:

- Three houses in school (same but separated by grade) example: arts/STEM/humanities/civics (6,7,8)
- Same core curriculum taught in each House with focus on specialty during Encore and project-based (projects involve all three grade levels 6-8)

### b. Combine possibilities if desired

### c. Pros

- Students choice
- Peer teaching/peer leadership
  - √ 8 STEM, arts, humanities
  - √ 7 STEM, arts, humanities
  - √ 6 STEM, arts, humanities

#### d. Cons

- Balancing the houses
- Student choice (friends versus strengths)

### e. Mitigate the Cons:

- By using PBL, PLC, and collaborating 5th grade –focus on identifying student strengths
- o (ASVAB) like assessment as one measure
- Summer transition program
- Sampling each "House" for incoming students

### **SUMMARY**

This chart on the next page shows the overall ranking of the organizational choices:

|   | -3      |
|---|---------|
| A | 1       |
|   | 1       |
| 7 | Sales . |

| SCHOOL STRUCTURE: MIDDLE  |  |            |   |   |                |
|---|--|------------|---|---|----------------|
| MIDDLE SCHOOL ORGANIZATIONAL MODELS   |  | Table Team |   |   |                |
|   |  | 2          | 3 | 4 | OV'ALL<br>RANK |
| G. Other  |  | 1          |   |   | 0.5            |
| E. Themed school(s) within the school (thematic multi-grade interdisciplinary SLCs)                       |  | 3          |   | 1 | 2.0            |
| F. Teachers synchronously teaming, sharing students in real time  |  | 2          |   | 2 | 2.0            |
| B. Grade Level SLCs (Teachers "teaming," sharing students but separately teaching curriculum specialties) |  | 5          |   | 4 | 4.5            |
| C. Grade Level SLCs, as choice B but add teachers looping   |  | 4          |   | 5 | 4.5            |
| D. Multi-grade SLCs   |  | 6          |   | 3 | 4.5            |
| A. Departmental model   |  | 7          |   | 6 | 6.5            |
|   |  |            |   |   |                |

| SCHOOL STRUCTURE: HIGH  |   |            |   |   |                |  |
|---|---|------------|---|---|----------------|--|
| HIGH SCHOOL ORGANIZATIONAL MODELS   |   | Table Team |   |   |                |  |
|   |   | 2          | 3 | 4 | OV'ALL<br>RANK |  |
| D. Freshman SLC, followed by themed schools within the school (thematic multi-grade interdisciplinary SLCs)     | 4 |            | 1 |   | 1.7            |  |
| B. Freshman SLC, followed by Departmental Grades 10-12  | 3 |            | 3 |   | 2.0            |  |
| C. Interdisciplinary SLCs (Teachers "teaming," sharing students but separately teaching curriculum specialties) | 2 |            | 4 |   | 2.0            |  |
| E. Themed school(s) within the school (thematic multi-grade interdisciplinary SLCs)                             | 5 |            | 2 |   | 2.3            |  |
| G. Other  | 1 |            | 7 |   | 2.7            |  |
| A. Departmental model Grades 9-12   | 6 |            | 5 |   | 3.7            |  |
| F. Teachers synchronously teaming, sharing students in real time  | 7 |            | 6 |   | 4.3            |  |

### LEARNING MODALITIES

This was the challenge:

### **LEARNING MODALITIES**

Here is a list of learning modalities. Which are most appropriate? Which ones should we be using most at our future high school or middle school? Which ones the least?

### Personal reflection:

- Personally rank them in order of appropriateness for learning
- Focus on the 4 most and the 2 least appropriate
  - o Appropriateness implies extensive application

### **Group consensus discussion:**

- Then debate with your Table Team members.
   Persuade them if you can
- When you vote no need to pay attention to your table mates

### Then vote with your dots:

Green dots for the top 4. Red for the bottom 2

|   | 4<br>Most | 2<br>Least |
|---|-----------|------------|
| A. Direct teaching     B. Lecture (sustained direct teaching) | g)        |            |
| C. Seminar instruction D. Teacher team/synchronous collal     | ooration  |            |
| E. Independent study F. Small group work/student collabo      | ration    |            |
| G. Peer tutoring/teaching                                     |           |            |



| Η. | Internships                        |          |  |
|----|------------------------------------|----------|--|
| I. | Project-based learning             |          |  |
| J. | Project-based learning             |          |  |
| K. | Making things, prototyping         |          |  |
|    | Interdisciplinary learning         |          |  |
|    | Thematic/integrated learning       |          |  |
|    | Integrated arts learning           |          |  |
|    | Social/emotional learning          |          |  |
|    | Student presentations              |          |  |
| Q. | Computer-based: adaptive learning  | g, games |  |
| R. | Blended learning/flipped classroom | m        |  |
| S  | Distance learning                  |          |  |
|    | Technology with mobile devices     |          |  |
| U. | Technology with desktop devices    |          |  |
|    |                                    |          |  |

#### The responses were:

- A Direct teaching
  - o Red 3 ⊗
- B Lecture
  - o Red 8 ⊗
- C Seminar
  - o Green 4 ©
  - $\circ \quad \text{Red 3} \ \odot$
- D Teacher teaming/synchronous
  - o Green 1
- E Independent study
  - o Red 2
- F Small group work/student collaboration
  - o Green 5 ©
- G Peer tutoring/teaching
- H Internships/service

- I Service Learning
- J PBL
  - o Green 9 ©
- K Making Things
  - o Green 1
- L Interdisciplinary
  - o Green 3
- M Thematic
  - o Green 2
  - N Integrated Arts
    - o Green 1
- O Social/emotional
  - o Green 1
- P Student Presentation
- Q Computer-based/adaptive
  - o Green 3
  - R Blended/flipped
    - o Green 5 ©
- S Distance
  - o Red 2
- T Mobile Technology
  - o Green 1
- U Desktop Technology



## **AGENDA**

The second high school-middle school Visioning Workshop was held on 16<sup>th</sup> June 2016. Notes of all activities follow:

- School Transformation + Development Map
- Middle School/High School Relationships
- Future Furniture
- Places for Learning
- Overall School Organization Diagram

# SCHOOL TRANSFORMATION + DEVELOPMENT MAP

Workshop participants used the School Transformation + Development Map (ST+DM © 2016 Frank Locker Inc) to evaluate Saugus' current high school and middle school educational deliveries and facilities, and to project the desired future for both.

The ST+DM expresses the evolutionary shift in education in great detail, chronicling educational practices and facility design. Schools today are in different points of evolution, and many schools expect to be in different points of evolution in the long term future. The ST+DM characterizes schools and facilities on a 1 through 5 basis, with 1 as the most traditional category, and 5 as the most transformed.

Workshop participants worked in three-person Micro Teams to review the multiple educational practices and facilities concepts in the School Transformation + Development Map. Students formed their own Micro Team. Schools were scored in the following categories:

- Educational Delivery Now
- Facilities Now
- Future Educational Delivery
- Future Facilities

The scores are shown on the next page:



Notes Workshop Day 2

|    | - 2   |
|----|-------|
| -  | 7     |
| -  | 1 - 2 |
| 20 | 100   |
| 7  | 1.00  |

| SCHOOL TRANSFOR          | SCHOOL TRANSFORMATION + DEVELOPMENT MAP |             |        |             |        |  |  |  |  |  |  |  |  |
|--------------------------|---|-------------|--------|-------------|--------|--|--|--|--|--|--|--|--|
| Middle School Focus      |   | EDUCA'      | TION   | FACILITIES  |        |  |  |  |  |  |  |  |  |
| Micro Team               | Team #                                  | Now         | Future | Now         | Future |  |  |  |  |  |  |  |  |
| Teresa, Linda            | 1                                       | 2.64        | 4.81   | 2.56        | 4.95   |  |  |  |  |  |  |  |  |
| Greg, Kerry, Nancy, Bill | 2                                       | 1.30        | 4.61   | 1.47        | 4.69   |  |  |  |  |  |  |  |  |
|                          | VERAGE                                  | 1.97        | 4.71   | 2.02        | 4.82   |  |  |  |  |  |  |  |  |
|                          |   | diffrence = | 2.74   | diffrence = | 2.81   |  |  |  |  |  |  |  |  |
|                          |   |             |        |             |        |  |  |  |  |  |  |  |  |
| High School Focus        |   | EDUCA'      | TION   | FACILI'     | TIES   |  |  |  |  |  |  |  |  |
| Micro Team               | Team #                                  | Now         | Future | Now         | Future |  |  |  |  |  |  |  |  |
| Gail, Steve, Seth        | 3                                       | 1.33        | 4.24   | 1.73        | 4.51   |  |  |  |  |  |  |  |  |
|                          | VERAGE                                  | 1.33        | 4.24   | 1.73        | 4.51   |  |  |  |  |  |  |  |  |
|                          |   | diffrence = | 2.91   | diffrence = | 2.78   |  |  |  |  |  |  |  |  |
|                          |   |             |        |             |        |  |  |  |  |  |  |  |  |

## MIDDLE SCHOOL-HIGH SCHOOL RELATIONSHIPS

The Visioning Team first conferred as Table Teams and then worked as a whole group to identify the most appropriate connections and separations in a future building serving both the middle school and high school. The organized functions into four possible categories:

- Separate middle school functions, not shared at all with the high school
- Shared spaces, serving both high school and middle school at the same time
- Time shared spaces, serving both middle school and high school, but in separate periods of the day
- Separate high school functions, not shared at all with the middle school

The functions identified for each category are outlined below. Some have locational notes:

- A "C" indicates that the function should be located for easy access by the community
- Essential adjacencies are noted

#### SEPARATE MIDDLE SCHOOL FUNCTIONS

Most core learning studios

- PE/Athletic Locker Rooms
- Guidance
  - o Nearby HS guidance
- Assistant Principal
  - o Near guidance and kids
- Nurse
  - o Adjacent to HS nurse
- Adjacent counselor
  - o Near HS Adjacent counselor
- Cafeteria
  - Folding wall to allow combination with HS cafeteria
- Principal
  - Close to HS

#### SHARED FUNCTIONS

- Library/Media Center/Learning Commons
  - o With zoning for HS and MS within
- Phys Ed Teacher Planning Center
  - Share with core teachers or others
- Athletic trainer
- OT/PT/Speech
- BCBA school psychologist
- Food Service Kitchen
- District Technology Office
- District Superintendent offices

#### TIME SHARED FUNCTIONS

- Black Box (C)
- Auditorium (C)
- Stagecraft Room/Shop
- Main Gym (C)
  - Varsity sports
- Small Gym (C)
  - Explore combining main Gym and Small Gym to create a Field House
- Fitness Center (C)
- Computer Labs
  - Only for large screen needs
- Creative Labs
- Program Labs such as for math or writing
- Maker Space





- STEM Lab
- Some Learning Studios (formerly called Classrooms)
- Performing arts suite
  - Exact nature of time share TBD
- Visual Arts
- Health Studios

#### SEPARATE HIGH SCHOOL FUNCTIONS

- Most core Learning Studios
- PE/Athletic Locker Rooms
- Guidance
  - o Nearby MS guidance
- Assistant Principal
  - o Near guidance and kids
- Nurse
  - Adjacent to MS nurse
- Adjustment Counselor
  - Near MS
- Cafeteria
  - o With folding wall to combine with MS Cafeteria
- Principal's Office

## **FUTURE FURNITURE**

Frank Locker presented future furniture concepts, focusing on Learning Studios (Classrooms) and Breakout/Collaboration spaces. See Appendix Ch 5.5. Workshop participants rated the appropriateness of the concepts presented on each slide. Here are their thoughts:

| HIGH SCHOOL FOCUS                               | Like Don<br>Like |
|---|------------------|
| 2. Classrooms                                   | 18_              |
| <ol><li>Classrooms</li></ol>                    | 7_               |
| <ol> <li>Classrooms</li> </ol>                  | 7_               |
| <ol><li>Classrooms</li></ol>                    | _71_             |
| <ol><li>Classrooms</li></ol>                    | 81_              |
| <ol><li>Classrooms</li></ol>                    | 8                |
| 8. Classrooms                                   |                  |
| <ol><li>Classrooms + Breakout Animati</li></ol> |                  |
| 10. Classrooms                                  | _71_             |
| 11. Classrooms                                  | 5 4              |
| 12. Classrooms                                  | _71_             |
| 13. Classrooms                                  | 62_              |
| 14. Classrooms                                  | 54_              |
| <ol><li>Classrooms Steelcase</li></ol>          | 72_              |
| 16. Classrooms                                  | 81_              |
| 17. Classrooms                                  | 81_              |
| <ol><li>Classrooms Steelcase</li></ol>          | 9                |
| 19. Breakout                                    | 45_              |
| 20. Breakout Spaces                             | 62_              |
| 21. Breakout Spaces                             | _26_             |
| 22. Breakout Spaces                             | _71_             |
| 23. Breakout Spaces                             | _44_             |
| 24. Breakout Spaces                             | 81_              |
| 25. Breakout Spaces                             | 63_              |
| 26. Breakout Spaces                             | _71_             |
| 27. Breakout Spaces                             | _71_             |
| 28. Breakout Spaces                             | _26_             |
| 29. Breakout Spaces                             | 62_              |
| 30. Maker Space D School                        | 8                |
| 31. Maker Space D School                        | _7               |
| 32. Maker Space D School                        | 8                |
| <ol> <li>Maker Space D School</li> </ol>        | 8                |

HIGH SCHOOL FOCUS



| MIDDLE SCHOOL FOCUS                               | Like | Don't<br>Like |
|---|------|---------------|
| Classrooms     Classrooms                         | 1    | _6            |
| 4. Classrooms                                     | 2    | 3             |
| 5. Classrooms                                     | 6    | Control and   |
| 6. Classrooms                                     | 5_   | _1_           |
| <ol><li>Classrooms</li></ol>                      | 5_   |               |
| 8. Classrooms                                     |      |               |
| <ol><li>Classrooms + Breakout Animation</li></ol> | 6    |               |
| 10. Classrooms                                    | 4    |               |
| 11. Classrooms                                    | 6    |               |
| 12. Classrooms                                    | 4    | _1_           |
| 13. Classrooms                                    | 4    | _1_           |
| 14. Classrooms                                    | 4    | _1_           |
| <ol><li>Classrooms Steelcase</li></ol>            | 4    | _1_           |
| 16. Classrooms                                    | 5_   |               |
| 17. Classrooms                                    | 6    | _1_           |
| 18. Classrooms Steelcase                          | 6    |               |
| 19. Breakout                                      | _1_  | 6             |
| 20. Breakout Spaces                               | 4    | _2_           |
| 21. Breakout Spaces                               | 3    | _3_           |
| 22. Breakout Spaces                               | 4    | _1_           |
| 23. Breakout Spaces                               | 4    |               |
| 24. Breakout Spaces                               | 5_   |               |
| 25. Breakout Spaces                               | 5_   |               |
| 26. Breakout Spaces                               | 5_   | _1_           |
| 27. Breakout Spaces                               | 5_   |               |
| 28. Breakout Spaces                               | _2_  | _4_           |
| 29. Breakout Spaces                               | 2_   | _3_           |
| 30. Maker Space D School                          | 6    |               |
| 31. Maker Space D School                          | 6    |               |
| 32. Maker Space D School                          | 6    |               |
| 33. Maker Space D School                          | 5_   |               |

#### PLACES FOR LEARNING

The workshop participants analyzed places for learning and established preferences for the future middle and high schools. Options were reviewed, ranked, and evaluated by Table Teams.

Workshop participants were asked to:

- Rank the choices
- Identify the three most appropriate for their future school(s)
- Identify the one least appropriate
- Explain why

The physical places shown in the challenge were proxy for educational deliveries. While reviewing these physical places, participants were actually projecting the future of learning, and how to best support it.

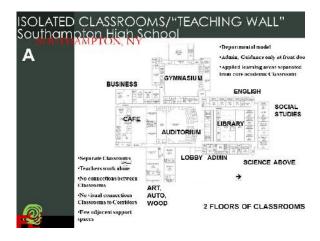
Each of the exemplars reviewed by the workshop participants supports a range of learning modalities, and can best support different teaching deliveries and student activities. No single exemplar supports every possible delivery and activity.

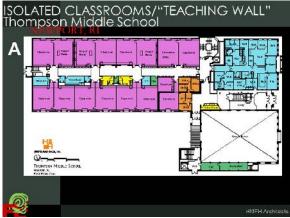
The contenders were:

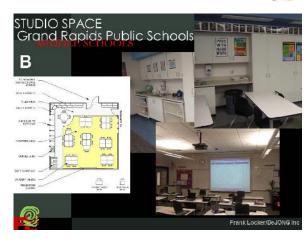
- A Southampton High School + Thompson Middle School
- B Grand Rapids Middle Schools
- C Ideal Math Classroom
- D Ipswich Middle School
- E Old Town Elementary School
- F Bryan High School/Middle School
- G Waverly High School
- H Cristo Rey High School
- I Concord Elementary Schools
- J New Tech High
- K Forest Avenue K-2 Center
- L Australian Science + Math School
- M Milan HS Center for Innovative Studies

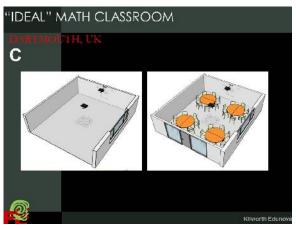
Images for these contenders are shown on the following pages:

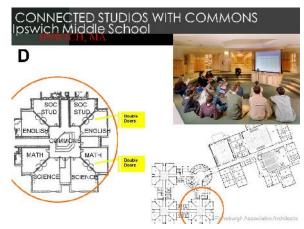


















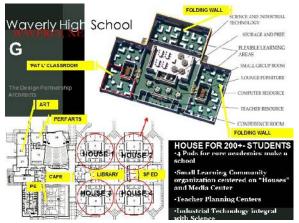
















Table Team responses were:

## TABLE TEAM 1 High school focus Three Most Appropriate

- E Old Town Elementary School
  - Collaborative shared spaces
  - Flexible walls
  - Centralized Small Learning Communities
  - Good central areas for all
- G Waverly High School + F Bryan High School/Middle School
  - F looks like it would fit well inside the larger model of G
  - o Collaborative shared spaces
  - o Flexible walls
  - o Centralized Small Learning Communities
  - Good central areas for all
- H Cristo Rey High School
  - Flexible walls
  - o Centralized Small Learning Communities
  - Good central areas for all

#### **Least Appropriate**

- A Southampton High School + Thompson Middle School
  - Traditional
  - Sprawling
  - Inflexible

## TABLE TEAM 2 Middle school focus Three Most Appropriate

- E Old Town Elementary School
  - Very flexible
  - o Multi-use
  - Common spaces
- F Bryan High School/Middle School
  - o Open
  - o Flexible
  - Collaboration
- G Waverly High School
  - Flexible
  - o Multi-use
  - Collaboration
  - Condensed
  - Cost-effective

\*Likes "H" too!





#### **Least Appropriate**

- A Southampton High School + Thompson Middle School
  - Most traditional
    - ✓ Inflexible
    - ✓ Limiting

#### **TABLE TEAM 3**

High school focus

#### **Three Most Appropriate**

- D Ipswich Middle School
  - o "House" feel
  - Common usable space
  - o Concern over diagonal walls
- H Cristo Rey High School
  - Flex walls
  - o Openness
  - o Glass
- G Waverly High School
  - o "House" feel

#### **Least Appropriate**

- A Southampton High School + Thompson Middle School
  - We already have this

#### **TABLE TEAM 4**

Middle school focus

#### **Three Most Appropriate**

- D Ipswich Middle School
  - Lends itself well for collaboration
  - Good use of the center presentation area
- H Cristo Rey High School
  - o Great flexible walls
  - o Group space
  - Glass garage doors to extend classroom work areas
- J New Tech High
  - Great set-up for teamwork
  - Open student Cyber Café live areas
  - Tech look is more fitting for a 21<sup>st</sup> Century School

#### A Southampton High School + Thompson Middle School

o Departmentalized - no sharing or collaboration

#### DISCUSSION

The Visioning Team identified several exemplars that were cited multiple times:

#### **Most Appropriate**

- H Cristo Rey High School (cited by 3 of 4 Table Teams)
- G Waverly High School (3 of 4 Table Teams)
- D Ipswich Middle School (2 of 4)
- E Old Town Elementary School (2 of 4)
- F Bryan High School/Middle School (2 of 4)

#### **Least Appropriate**

 A Southampton High School + Thompson Middle School (cited by all 4 Table Teams)

## OVERALL SCHOOL ORGANIZATION DIAGRAM

Workshop participants guided Frank Locker in drawing an overall diagram of a co-located high school and middle school. Essential planning concepts included:

- One main entry
- Secure zone for learning spaces
- Community zone with functions commonly used by the community:
  - o Gyms and Fitness
  - Auditorium
  - Cafeterias
- Overall building zones based on grade levels
  - o Secure zone has two possible organizations:
    - ✓ Grade 6-8 middle school and Grade 9-12 high school as shown here
    - ✓ Grades grouped as proposed on day I by Table Team 1:
      - Grades 6-7

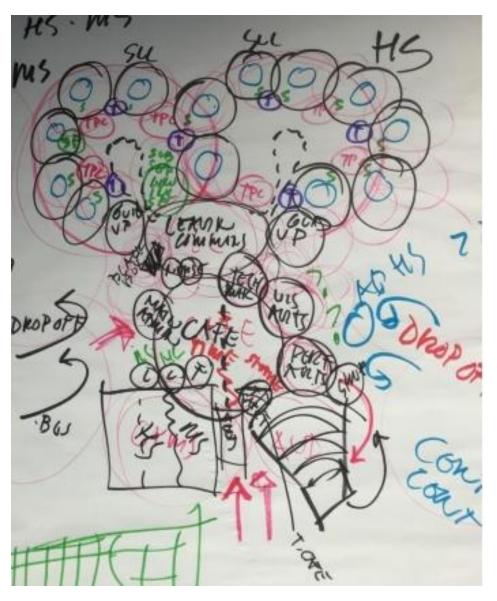




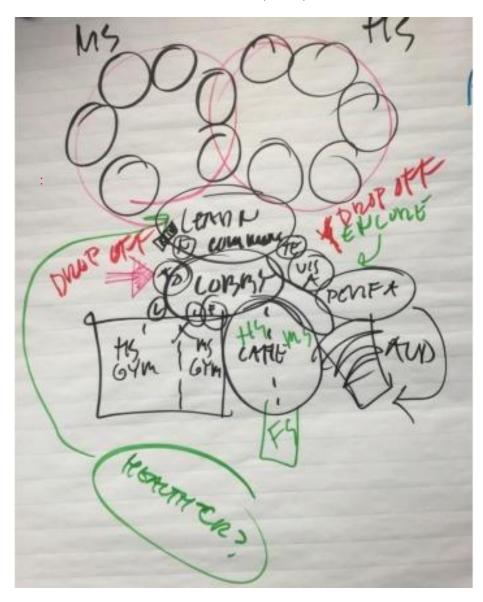


- Grades 8-9
- Grades 10-11-12
- Within each grade grouping:
  - Small Learning Communities (SLCs) for core learning spaces:
    - ✓ Collaboration zone at the heart of each
    - ✓ Teacher Planning Center
    - ✓ Satellite Learning Commons
    - ✓ Special Education spaces
    - ✓ Toilets for students and for teachers
    - ✓ Substantially separate Special Education spaces
- Teachers do not own classrooms
- Central Learning Commons as well as satellites
  - o The heart of academic spaces
- Middle school and high school Cafeterias served by a single Food Service Kitchen
  - Cafeterias at the center of Community Zone could function as Food Courts/Lobbies
- Principals at the main entry
- Guidance and assistant principals close to learning spaces and central Learning Commons
- Specials/electives between the Auditorium and the SLCs:
  - o Tech Labs
  - Maker Spaces
  - o Visual Arts
  - o Performing Arts
  - Family/Consumer Science
- Community Room/Parent Room in the Community Zone

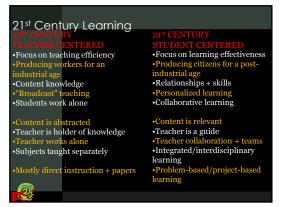
The overall diagram is shown in two variations, here and on the next page:



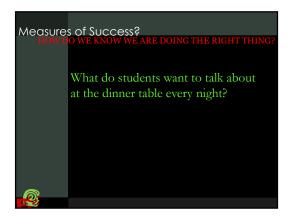














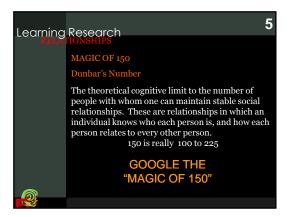


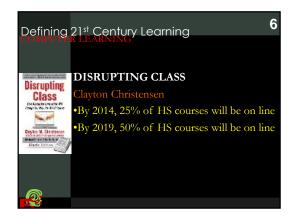


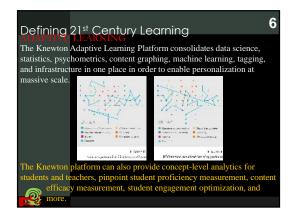




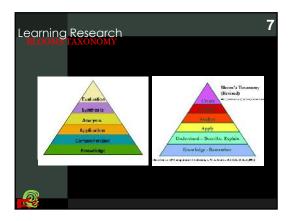


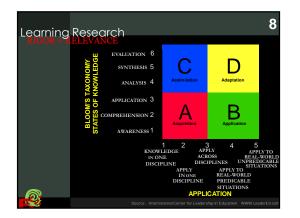


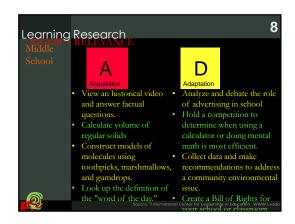


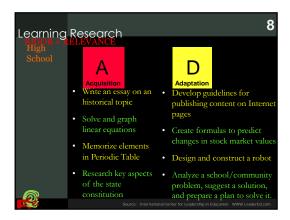


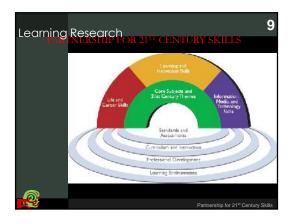




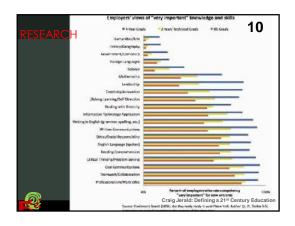


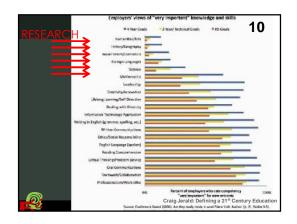


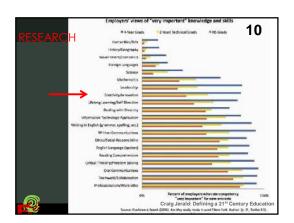


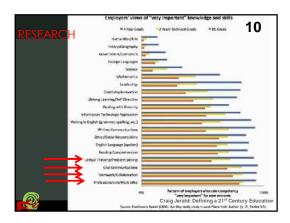


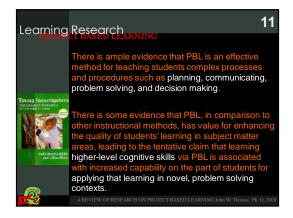




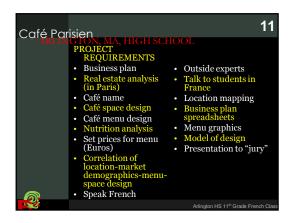




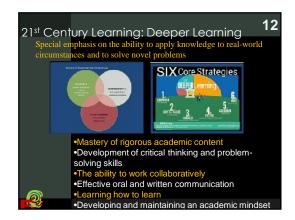


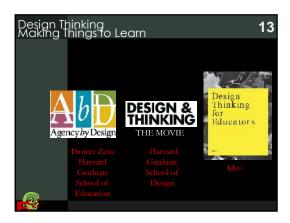








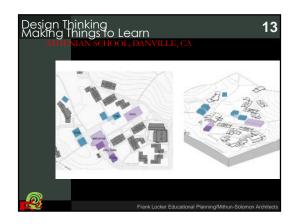


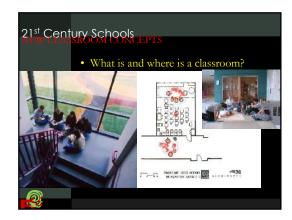


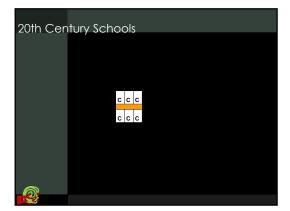


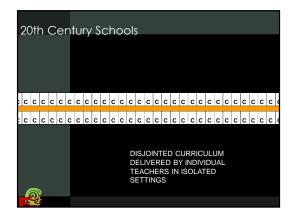




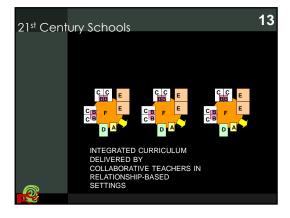


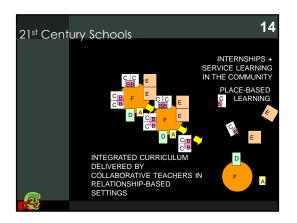














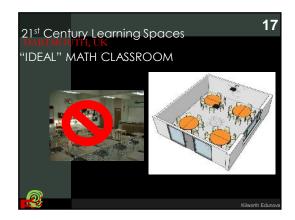


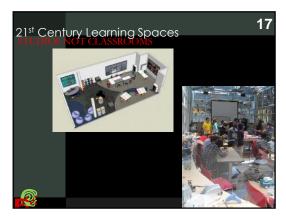






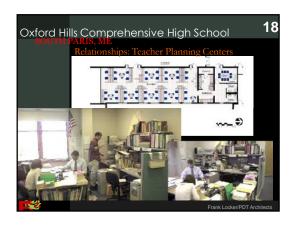


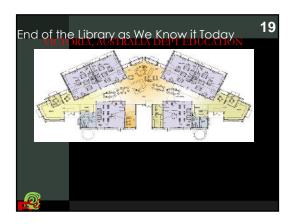








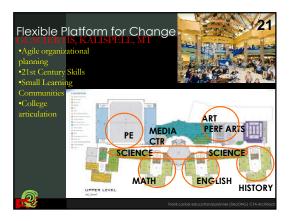


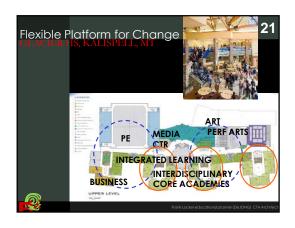


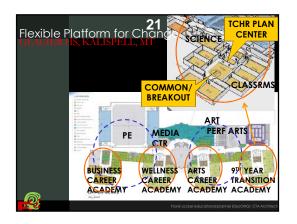


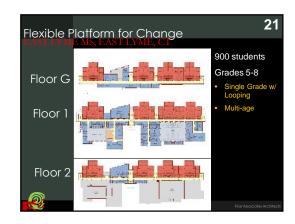


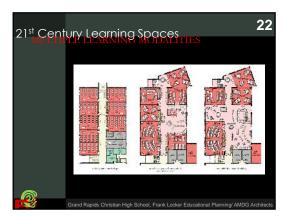


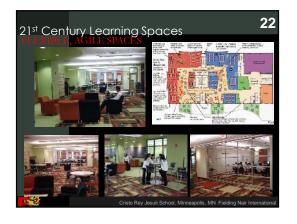


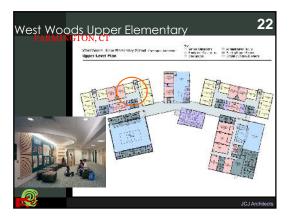




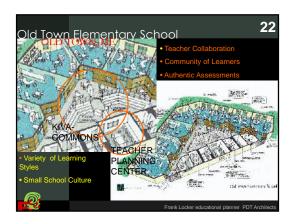


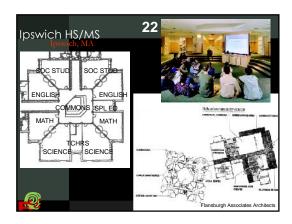




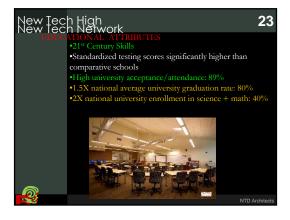


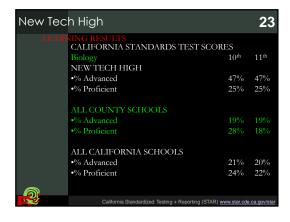


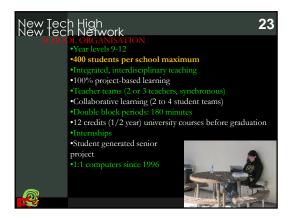




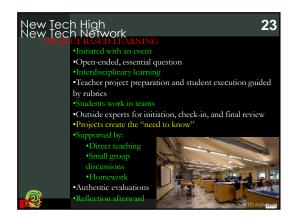




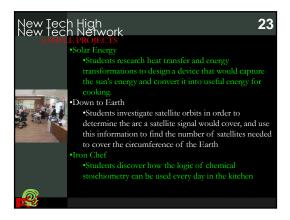


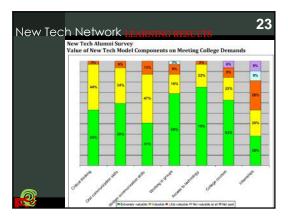


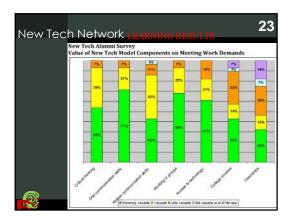








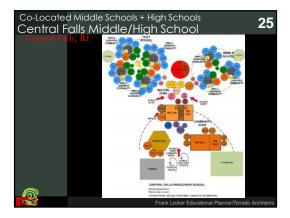


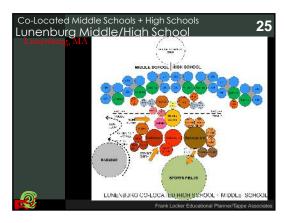


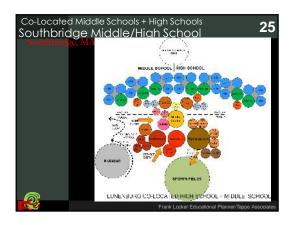


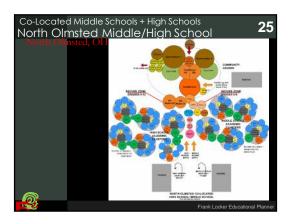


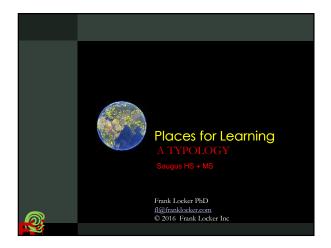


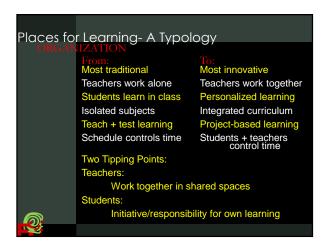


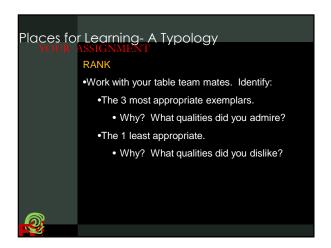


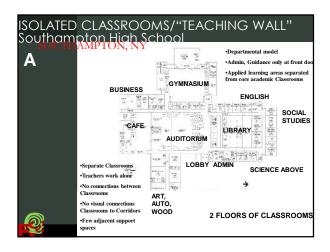


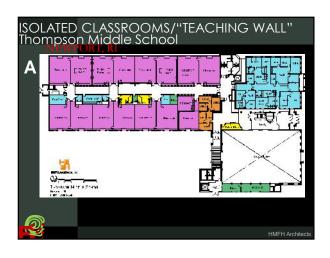


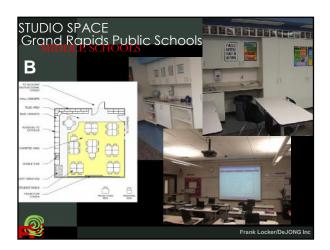


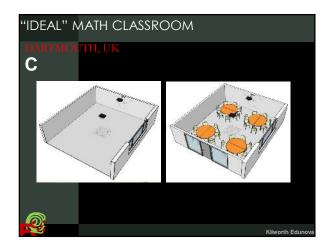


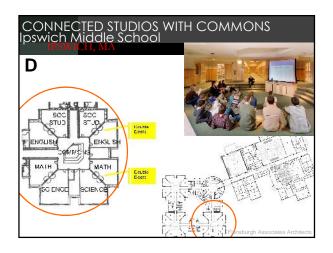


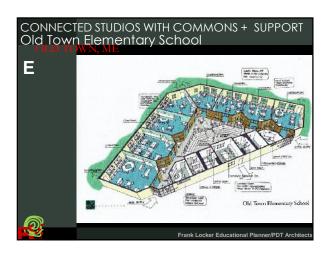








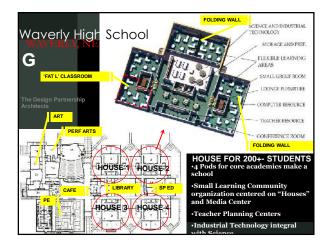










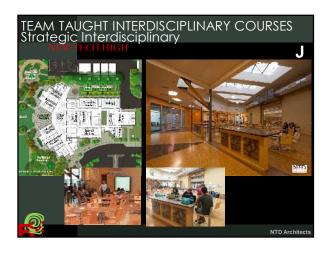


























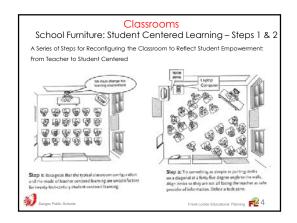


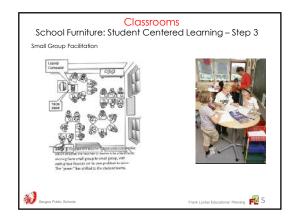




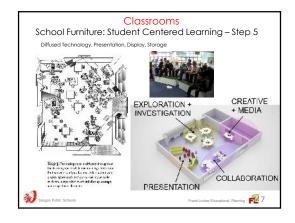


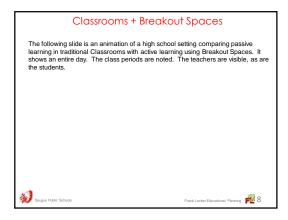


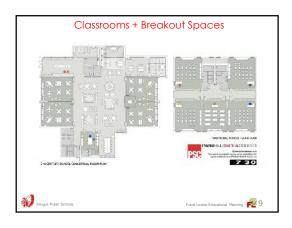














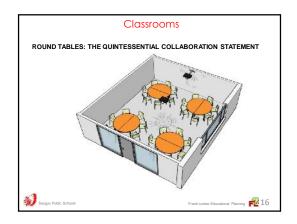










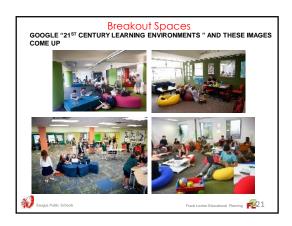




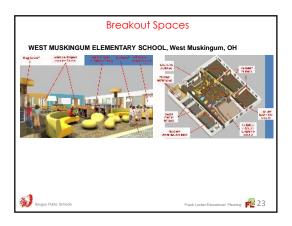
















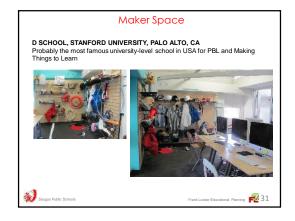


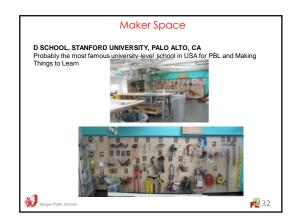




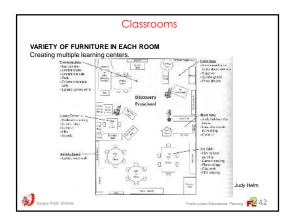












|    | SCHOOL TRANSFORMATION + DEVELOPMENT MAP 3.1.7 |   |   |   |        |       |   |            |       |   |      |     |  |   |   |  |       |
|----|---|---|---|---|--------|-------|---|------------|-------|---|------|-----|--|---|---|--|-------|
|    |   | Name(s)   |   |   |        |       |   |            |       | School (District)   |      |     |  |   |   | Col 1 = 1 po                                 |       |
|    |   | MAINTAINING TRADITION   |   | INITIATING CHANGE   |        |       | PROGRESSIVE   |            |       | TRANSFORMING  |      |     | TRANSFORMED  |   |   | Col 2 = 2 po<br>Col 3 = 3 po<br>Col 4 = 4 po | oints |
|    |   | 1   |   | 2   |        |       | 3   |            |       | 4   |      |     | 5  |   |   | Col 5 = 5 poi<br>Average poi                 |       |
|    |   |   |   |   |        |       |   |            |       | © 2016 Frank Lo   | cker | Inc | fl@franklocker.com   |   |   | multi-column                                 |       |
|    |   | INCLUDES PRACTICES BELOW  |   | INCLUDES PRACTICES BELOW  |        |       | INCLUDES PRACTICES BELOW  |            |       | INCLUDES PRACTICES BELOW  |      |     | INCLUDES PRACTICES BELOW   |   |   | тот  | ALS   |
|    |   | EDUCATIONAL DELIVERY  | N | EDUCATIONAL DELIVERY  | N      | F     | EDUCATIONAL DELIVERY  | N          | F     | EDUCATIONAL DELIVERY  | Ν    | F   | EDUCATIONAL DELIVERY   | N | F | NOW  | FUTRE |
|    |   | ALL GRADES  |   | ALL GRADES  |        |       | ALL GRADES  |            |       | ALL GRADES  |      |     | ALL GRADES   |   |   |  |       |
|    |   | INSTRUCTION   |   | INSTRUCTION   |        |       | INSTRUCTION   |            |       | INSTRUCTION  Thematic curricular component w/i  |      |     | INSTRUCTION  |   |   |  |       |
| 1  | LEARNING<br>THEME                             | No focused learning theme/expression  |   |   |        | choc  | s w/ little impact on instruction                                       |            |       | school  |      |     | Choice thematic, magnet school   |   |   |  |       |
| 2  | EXHIBITIONS                                   | Student work is rarely actively expressed outside Classroom                             |   | Student work occasionally expressed in<br>Corridors etc                         |        |       | Students present work in regular exhibitions                            |            |       | Exhibitions feature outside "experts"   |      |     | Exhibitions recorded for portfolios + resource                           |   |   |  |       |
| 3  | DIFFEREN-<br>CES                              | Little or no recognition of learning<br>differences among students except<br>"tracking" |   | As Column 1, but multiple intelligences/learning styles recognized              |        |       | Multiple intelligences + learning styles                                | hono       | red t | thru differentiated instruction; no tracking  |      |     | Mult int+ learning styles used as a basis of student social learning     |   |   |  |       |
| 4  | PERSONAL<br>LEARNING                          | "Broadcast" teaching: same to all students in the classroom                             |   | Occasional differentiated instruction in assignments, assessments               |        |       | Differentiated in:  | struc      | tion  | as basic approach   |      |     | Personalized learning plans; student initiated projects                  |   |   |  |       |
| 5  | COLLAB-<br>ORATION                            | Students learn alone  |   | Occasional 2 person teams   |        |       | Occasional larger teams   |            |       | Students regularly work in larger teams   |      |     | Students learn 75% in teams  |   |   |  |       |
| 6  | TEACHER<br>TEAMS                              | Self contained classroom teaching exclusively   |   | Common planning to coordinate curriculum/know students                          |        |       | Teachers swap classes for sharing instruction but do not teach together |            |       | Teachers occasionally integrate<br>curriculum by teaching together in same<br>place + same time |      |     | Teachers regularly teach synchronously in coordinated teams              |   |   |  |       |
| 7  | OWNERSHIP                                     | Most teachers have "own" classrooms; others on carts                                    |   | Teachers share "own" Classrooms with specialist teachers                        |        |       | Small groups of teachers share  | sma        | # (   | of Classrooms based on schedule   |      |     | Teachers control suite of spaces with corollary teachers                 |   |   |  |       |
| 8  | AWARENESS                                     | Students know very little about activities in neighboring classrooms                    |   | Students aware of other Classrooms through occasional sharing                   |        |       | Learning spans sever  | everal cla |       | oms and related spaces  |      |     | Learning takes place in coordinated manner in variety of shared spaces   |   |   |  |       |
| 9  | TECH- NOLOGY                                  | Virtually no computer use   |   | Computers seen as sophisticated writing/math tools                              |        |       | Computers also used for learning programs +/or web research             |            |       | Computers are common in learning  |      |     | Learning programs, web, virtual access are inseparable from learning     |   |   |  |       |
| 10 | DISPLAY                                       | Best student work is displayed on bulletin boards                                       |   | All student work on bulletin b  | oards  | , but | t trumped by sports in Lobbies  |            |       | Each student's work is presented + critiqued  |      |     | Building is rich with 2D + 3D display of student projects                |   |   |  |       |
| 11 | DELIVERY                                      | Almost exclusive direct instruction   |   | Predominantly direct instruction w/ some discussion                             |        |       | Direct instruction with regular group discussion                        |            |       | Direct instruction, group discussion, + some problem solving                                    |      |     | Project-based learning, discussions, + "just-in-time" direct instruction |   |   |  |       |
| 12 | INTEGRA- TION                                 | Core instruction subject based; not all<br>"exploratories" taught                       |   | Exploratories (Art, Music, PE, Family) taught separate from non-integrated core |        |       | Exploratory coordination with core learning mostly in extracurricular   |            |       | Occasional integration of core learning +/or exploratories                                      |      |     | Regular integrated learning includes core + exploratories                |   |   |  |       |
| 13 | LEARNING<br>LOCATION                          | Learning exclusively in Classrooms,<br>Labs   |   | Learning exclusively in   | n Clas | sroo  | ms with some field trips  |            |       | Occasional internships/service learning for some students                                       |      |     | Regular internships/service learning are integral to learning            |   |   |  |       |
| 14 | WHO TEACHES                                   | Teacher does the teaching   |   | Teacher with aides do teaching  |        |       | Students also teach in paired groups/study teams                        |            |       | Students teach each other in project based environment  |      |     | Students regularly teach others; outside<br>"experts" for projects       |   |   |  |       |
| 15 | MAKING<br>LEARNING<br>VISIBLE                 | No attempt to make learning visible;<br>hidden behind corridor walls                    |   | Learning visible through occasional (mostly arts) entertainment/events          |        |       | Celebratory events focusing on learning                                 |            |       | Learning visible through authentic evaluations, educational "trophies"                          |      |     | Learning highly visible through all aspects of school life               | 5 |   |  |       |
|    |   | CURRICULUM/ ASSESSMENT  |   | CURRICULUM/ ASSESSMENT  |        |       | CURRICULUM/ ASSESSMENT  |            |       | CURRICULUM/ ASSESSMENT  |      |     | CURRICULUM/ ASSESSMENT   |   |   |  |       |
| 16 | ASSESS-<br>MENTS                              | Students poorly informed about standards for tests, papers, worksheets                  |   | Students informed about standards for tests, papers, worksheets                 |        |       | Students know rubrics for exhibitions, performances, displays + exams   |            |       | Authentic teaching and learning: teach the "whole" child; 21st Cent Skills                      |      |     | Outside "experts" + students also assess with rubrics                    |   |   |  |       |

| SCHOOL TRANSFORMATION + DEVELOPMENT MAP 3.1.7 |                       |  |  |   |                      |  |   |   |   |  |   |  |  |
|---|-----------------------|--|--|---|----------------------|--|---|---|---|--|---|--|--|
|   |                       | Name(s)  |  |   |                      |  |   | School (District)   |   |  | _ |  | Col 1 = 1 point  |
|   |                       | MAINTAINING TRADITION  |  | INITIATING CHANGE   |                      | PROGRESSIVE  |   | TRANSFORMING  |   | TRANSFORMED  |   |  | Col 2 = 2 points<br>Col 3 = 3 points<br>Col 4 = 4 points |
|   |                       | 1  |  | 2   |                      | 3  |   | 4   |   | 5  |   |  | Col 5 = 5 points Average point value for                 |
|   |                       |  |  |   | •                    |  |   | © 2016 Frank Lo   | ocker Inc   | fl@franklocker.com   | - |  | multi-column issues                                      |
|   |                       | INCLUDES PRACTICES BELOW   |  | INCLUDES PRACTICES BELOW  |                      | INCLUDES PRACTICES BELOW   |   | INCLUDES PRACTICES BELOW  |   | INCLUDES PRACTICES BELOW   |   |  | TOTALS   |
| 17  | CURRIC FLEX           | Delivery method and curriculum is rigid and uniform  |  | Teachers have high discretion over delivery in Classrm w/ little oversight  |                      | Teachers team to review assessment data                                      |   | Teachers team to review data, create units + lessons, + evaluate success      |   | Teachers share data as part of regular school improvement  |   |  |  |
| 18  | SOCIAL/<br>EMOTIONL   | Focus on academic learning exclusively   |  | · ·   | any soc<br>Classro   | al-emotional learning disconnected from om                                   |   | Social/emotional learning a regular part of curriculum                        |   | Advisor-advisee + wellness courses for all students  |   |  |  |
| 19  | 21st CENT<br>SKILLS   | No recognition of 21st Century Skills  |  | Some skills acknowledged but taugh  | t as se <sub>l</sub> | parate content area, like advisor-advisee                                    |   | Skills integrated in curiculum in random manner subject to teacher initiative |   | Full integration of skills in all aspects of curriculum  |   |  |  |
| 20  | CURRIC- ULUM          | Teaching objectives determined by items to be tested   |  | Curriculum objectives traditional and/or standards driven   |                      | Curriculum mostly standards-based wi   | th occasi                                       | onal inquiry + social skills; 21st Cent Skills                                |   | Objectives: inquiry based, social skills, project learning, critical thinking                                |   |  |  |
| 21  | KNOW- LEDGE           | Curriculum oriented to teachers teaching known answers   |  |   |                      | Occasional indeterminate answer assignm                                      | ents  |   |   | Issues that have no single answers; problem solving is the focus   |   |  |  |
| 22  | TEXT BOOKS            | "Textbook is the curriculum", few or no<br>connections among subjects/disciplines,<br>sequential |  | Textbooks supplemented with original materials  |                      | Variety of curricular approaches, largely teacher determined                 | /   | Variety of curricular approaches, largely district determined                 | ,   | Textbooks used only as data resource support local delivery decisions  |   |  |  |
| 23  | PACE +<br>VEHICLES    | District/state determine what all students learn + what learning vehicles will be                |  | Teacher determines what all students learn + what learning vehicles will be   |                      | Teacher teams determine what students learn + what learning vehicles will be |   | Students have some determination in learning vehicles                         |   | Students determine own personalized learning plan within a rubric  |   |  |  |
| 24  | GRADING               | Individual teacher responsible for determining policy + grades                                   |  | School determines policy; teachers determine student grades   |                      | Grades established   | oy team o                                       | of teachers at exhibitions  |   | outside experts + student self   |   |  |  |
| 25  | FRE- QUENCY           | Occasional testing seen as record keeping  |  | Lag time between testing + feedback   |                      |  | tests is  | quick + formative   |   | Students receive frequent, immediate feedback on interventions (RTI)   |   |  |  |
|   |                       | LEADERSHIP   |  | LEADERSHIP  |                      | LEADERSHIP   |   | LEADERSHIP  |   | LEADERSHIP   |   |  |  |
| 26  | DISTRIBU- TION        | Central Admin + Guidance at front door   |  | Ce  | entral G             | uidance but distributed Admin (VP/AP at le                                   | earning a                                       | reas)   |   | Admin + Guid at learning areas   |   |  |  |
| 27  | SCHEDUL- ING          | Room scheduling done by Central<br>Administration  |  | Central room scheduling   | g but o              | casional teacher discretion  |   | Room scheduling done by Distributed Administration                            |   | Room scheduling done by affected teachers  |   |  |  |
|   |                       | PROFESSIONAL DEVELOPMENT   |  | PROFESSIONAL DEVELOPMENT  |                      | PROFESSIONAL DEVELOPMENT   |   | PROFESSIONAL DEVELOPMENT  |   | PROFESSIONAL DEVELOPMENT   |   |  |  |
| 28  | PROF DEVELOP-<br>MENT | Central admin & state reqmts determine school wide prof. development, uncoordinated              |  | Coordinated state/district PD program   |                      | Teachers lead school in prof   | . develop                                       | ment with district/state guidance   |   | Teachers actively reflect on classroom<br>practices, direct prof development within<br>school vision/mission |   |  |  |
| 29  | COMMON<br>PLANNING    | No common planning time  |  | Departmental planning time  |                      | Teache   | r team pl                                       | anning time   |   | Teachers develop research projects to inform their own instruction   |   |  |  |
|   |                       | RELATIONSHIP BUILDING  |  | RELATIONSHIP BUILDING   |                      | RELATIONSHIP BUILDING  |   | RELATIONSHIP BUILDING   |   | RELATIONSHIP BUILDING  |   |  |  |
| 30  | ADVISORS              | Guidance counselors believed sufficient to advise students                                       |  | Group discussions led by guidance counselors  |                      | Teachers lead occasional Advisor-<br>Advisee programs w/ vague curriculum    |   | Teachers lead frequent Advisor-Advisee programs w/ vague curriculum           |   | Teachers lead frequent Advisor-Advisee programs with consistent curriculum                                   |   |  |  |
| 31  | KNOWING               | Principal does not now names of all students   |  | Students known individually by individual teachers; sharing of knowledge of students among teachers is circumstantial |                      | Student known by teache  | ner team focused on relationship building       |   |   | Student known by teacher team focused on relationship building + personalizing learning                      |   |  |  |
|   |                       | CONNECTIONS  |  | CONNECTIONS   |                      | CONNECTIONS  |   | CONNECTIONS   |   | CONNECTIONS  |   |  |  |
| 32  | ADULTS                | PTO lends valued support to school; community members not sought out                             |  | Parents sought as v   | volunte              | ers for program support  | Community members sought as experts and mentors |   | Multi generation community members sought as experts, tutors, role models |  |   |  |  |

|    |  |  |  | SCHOOL TRAN   | SF      | ORMATION + DEVE   | LO     | PI    | MENT MAP 3.1.7  |          |   |      |  |          |
|----|--|--|--|---|---------|---|--------|-------|---|----------|---|------|--|----------|
|    |  | Name(s)  |  |   |         |   |        |       | School (District)                                     |          |   | l    | Col 1 = 1 po                                 |          |
|    |  | MAINTAINING TRADITION  |  | INITIATING CHANGE   |         | PROGRESSIVE   |        |       | TRANSFORMING  |          | TRANSFORMED   |      | Col 2 = 2 po<br>Col 3 = 3 po<br>Col 4 = 4 po | oints    |
|    |  | 1  |  | 2   |         | 3   |        |       | 4   | 5        |   |      | Col 5 = 5 poi                                | oints    |
|    |  |  |  |   |         |   |        |       | © 2016 Frank Lo                                       | cker Inc | fl@franklocker.com  |      | multi-column                                 | ı issues |
|    |  | INCLUDES PRACTICES BELOW   |  | INCLUDES PRACTICES BELOW                                      |         | INCLUDES PRACTICES BELOW  |        |       | INCLUDES PRACTICES BELOW                              |          | INCLUDES PRACTICES BELOW  |      | TOTA   | ALS      |
| 33 | ARTICULA- TION   | K-12 educational delivery not highly articulated                 |  | Occasional curricular connections to sending/receiving school |         | Occasional educational delivery +<br>guidance connections to schools with<br>lower or higher grade levels |        |       | K-12 educational delivery highly articulated          |          | PK-16 educational delivery highly articulated; dual degree programs                   |      |  |          |
| 34 | Community uses seen as detrimental to Evening/weekend community use of |  |  |   |         |   |        |       |   |          | Community users during school day<br>embraced as learning opportunity for<br>students |      |  |          |
|    |  | ELEMENTARY   |  | ELEMENTARY  |         | ELEMENTARY  |        |       | ELEMENTARY  |          | ELEMENTARY  |      |  |          |
| 35 | TECHNOL- OGY   | No computer use  |  | Computer keyboarding  |         | Students regularly make electronic presentations  |        |       | Students show teachers use of technology              |          | Regularly virtual learning  |      |  |          |
| 36 | GROUPING   | Students grouped by age/year level                               |  | Students grouped by ag  | je/year | level; regrouped for RTIs   |        |       | Age/year groupings, RTIs; teachers loop with students |          | Multi grade instruction for developmental reasons                                     |      |  |          |
| 37 | EXPLRA- TORY   | No/few exploratory programs                                      |  | Phys Ed, Music are exploratory                                |         | Art added as exploratory  |        |       | Science added as exploratory program                  |          | All courses are exploratory   |      |  |          |
|    |  | MIDDLE YEARS   |  | MIDDLE YEARS  |         | MIDDLE YEARS  |        |       | MIDDLE YEARS  |          | MIDDLE YEARS  |      |  |          |
| 38 | TRACKING   | Students are ability tracked                                     |  | Students ability tracked w/ G+T                               |         | Students ability tracked w/G+T + learng ctrs  |        |       | Students heterogeneously grouped                      |          | All students on personal learning plans   |      |  |          |
| 39 | SCHOOL<br>CONCEPT  | Junior High format even though may be called "Middle School"     |  | Middle School without consistent<br>Houses                    |         | School subdivided into he   | ouses  | size  | d for creating relationships                          |          | Perhaps K-8 for developmental + family reasons  |      |  |          |
|    |  | HIGH SCHOOL  |  | HIGH SCHOOL   |         | HIGH SCHOOL   |        |       | HIGH SCHOOL   |          | HIGH SCHOOL   |      |  |          |
| 40 | TRACKING   | Students are ability tracked                                     |  | Students ability tracked w/ G+T                               |         | Students ability tracked w/G+T + learng ctrs  |        |       | Students heterogeneously grouped                      |          | All students on personal learning plans   |      |  |          |
| 41 | SCHOOL<br>ORGANIZATN   | Departmental organizational structure + facility plan            |  | Departmental w/ special program<br>(Senior Project)           |         | Mixed school organization   | : i.e. | depa  | tmental w/9th grade house                             |          | Small learning communities: virtual departments to maintain curriculum standards      |      |  |          |
| 42 | ELECTIVES  | Limited or no elective courses                                   |  |   |         | Goal: wide range of unrelated electives   |        |       |   |          | Thematic learning; career clusters; magnet schools                                    |      |  |          |
| 43 | INTERDISC-<br>IPLINARY   | Content areas are not intentionally linked                       |  | Occasional teacher driven interdisciplinary links             |         | Core content areas linked   | l: Sci | ence- | Math, English-Soc Studies                             |          | Core content areas and exploratory areas linked                                       |      |  |          |
| 44 | APPLIED<br>LEARNING  | No applied learning in school                                    |  | Tech Ed, Vocational, Career-Tech                              | n prese | ent but unrelated to core academics   |        |       | Academics related to Career-Tech programs             |          | Academics imbedded in Career-Tech   |      |  |          |
| 45 | CLASS SIZE   | Class size based on equity; teaching alone; available # students |  | Variety in class sized based a                                | also or | n exclusiveness of subject area   |        |       | Variety in class size based on team teaching          |          | Variety in class sizes based on project teams   |      |  |          |
| 46 | TIME TABLE   | 45 to 60 minute class period                                     |  | Block schedule,   | 90 mi   | nute class periods  |        |       | Mega-blocks within schedule                           |          | No uniform schedule; determined by teachers (students)                                |      |  |          |
|    | •  |  |  |   |         |   |        |       | EDUCATIONAL   | DEL      | IVERY AVERAGE OVERALL S   | CORE | #DIV/0!                                      | #DIV/0!  |

| SCHOOL TRANSFORMATION + DEVELOPMENT MAP 3.1.7 |                             |   |   |   |   |   |   |   |   |        |   |  |   |   |   |  |     |
|---|-----------------------------|---|---|---|---|---|---|---|---|--------|---|--|---|---|---|--|-----|
|   |                             | Name(s)   |   |   |   |   |   |   |   |        | School (District)   |  |   | _ |   | Col 1 = 1 poir                                     |     |
|   |                             | MAINTAINING TRADITION   |   |   | INITIATING CHANGE   |   |   | PROGRESSIVE   |   |        | TRANSFORMING  |  | TRANSFORMED   |   |   | Col 2 = 2 poir<br>Col 3 = 3 poir<br>Col 4 = 4 poir | nts |
|   |                             | 1   |   |   | 2   |   |   | 3   |   |        | 4   |  | 5   |   |   | Col 5 = 5 poir<br>Average poin                     |     |
|   |                             |   |   |   |   |   |   |   |   |        | © 2016 Frank Lo   | cker Inc   | c fl@franklocker.com  |   |   | multi-column                                       |     |
|   |                             | INCLUDES PRACTICES BELOW  |   |   | INCLUDES PRACTICES BELOW  |   |   | INCLUDES PRACTICES BELOW  |   |        | INCLUDES PRACTICES BELOW  |  | INCLUDES PRACTICES BELOW  |   |   | TOTA   | ALS |
|   |                             | FACILITIES  | Ν | F | FACILITIES  | Ν | F |   |   | F      | FACILITIES  | N F  | FACILITIES  | N | F |  |     |
|   |                             | ALL GRADES  |   |   | ALL GRADES  |   |   | ALL GRADES  |   |        | ALL GRADES  |  | ALL GRADES  |   |   |  |     |
|   |                             | OVERALL PLANNING  |   |   | OVERALL PLANNING  |   |   | OVERALL PLANNING  |   |        | OVERALL PLANNING  |  | OVERALL PLANNING  |   |   |  |     |
| 1   | SIZE/ CAPACITY              | Circumstantial overall building size/capacity   |   |   | School size set for administrative/operational efficiency; no small schools within                      |   |   | Efficient school size/capacity, non-<br>autonomous schools within school                                |   |        | Efficient school size/capacity, semi-<br>autonomous schools within school   |  | Intentional building size/capacity to foster relationships; autonomous small schools/teacher teams within |   |   |  |     |
| 2   | FUTURE PROOF                | Spaces/furniture inappropriate for<br>current educational methods: wrong<br>sizes, locations, services, equipment |   |   | Spaces/furniture rigid: conceived to<br>serve one concept of current<br>educational models              |   |   | Spaces/furniture allow several current educational deliveries with difficulty                           |   |        | Spaces/furniture allow several current educational deliveries with ease   |  | Spaces/furniture flexible/agile to anticipate future educational trends                                   |   |   |  |     |
| 3   | COLLABOR-<br>ATION          | Facility makes it almost impossible for teachers to collaborate   |   |   | Facility supports occasional/non-<br>synchronous teacher collaboration                                  |   |   | Facility supports regular/non-<br>synchronous teacher collaboration                                     |   |        | Facility supports regular/synchronous teacher collaboration   |  | Facility supports teacher collaboration + control of schedule + space                                     |   |   |  |     |
| 4   | VISIBLE<br>LEARNING         | No attempt to make learning visible   |   |   | Bulletin boards in corridors  |   |   | Bulletin boards, display cases for academics  |   |        | Bulletin boards, display cases, windows to classrooms, video monitors   |  | Learning highly visible through transparency, display, activities   |   |   |  |     |
| 5   | FLEXIBIL- ITY               | Spaces rigid in design; no flexibility  |   |   | Flexibility only in some folding partitions; never used   |   |   | Flexibility in folding partitions; often used   |   |        | Many spaces are flexible for multiple uses  |  | Spaces flexible w/ minimal effort; agile for reuse w/o physical change                                    |   |   |  |     |
| 6   | SOCIAL<br>SETTING           | Circulation conceived in minimal terms of moving people: Corridors + lobbies only                                 |   |   | Functional circulation with notable public expression at Lobbies  |   |   | Circulation centers on social gathering space(s) as focus of school                                     |   |        | Central gathering space(s) + "hang out" spaces  |  | Central social gathering space(s), "hang<br>out" spaces + student centric social/work<br>spaces           |   |   |  |     |
| 7   | EXPRES- SION                | No intentional building expression  |   |   | School colors are primary school signature  |   |   | Special effort made at Main Entry;<br>school colors prevail   |   |        | School signature expressed in occasional places   |  | School signature widely expressed throughout building   |   |   |  |     |
| 8   | SCHOOL<br>ORGANI-<br>ZATION | Plan based on single idea traditional of school organization: departmental, grade level, etc                      |   |   | Traditional planning but allows mixed grade levels  |   |   | Flexible/agile school plan allows s   | several school organizations; 9th grade house |        |   | Relationship-based plan to best support<br>Column 5 educational delivery |   |   |   |  |     |
| 9   | INTERDISC-<br>IPLINARY      | Building plan: highly separate, unrelated functional areas; does not facilitate public access to community uses   |   |   | Building plan: highly separate, unrelated functional areas; zoned for public access to community spaces |   |   | Building plan strategically relates<br>functional areas; zoned for public<br>access to community spaces |   |        | Building plan links different program areas to facilitate interdisciplinary learning within core; zoned public uses |  | Building plan links program areas for interdisciplinary learning among core + specials; zoned public uses |   |   |  |     |
| 10  | MOVEMENT                    | Student movement expected to be across entire building; hall passes   |   |   | Student movement controlled by teachers; hall passes  |   |   | Building guides student movement within non-autonomous subzones   |   |        | Building guides student movement within intentional focused subzones  |  | Small school or movement only within relationship zones; hall passes are passe                            | ) |   |  |     |
| 11  | AUTONOMY                    | Self-contained school but missing some functional spaces  |   |   | Self contained school with all appropriate functions  |   |   |   | ccasio  | onally | y on nearby institutions for program use  |  | Intentionally not self-contained: relies heavily on neighboring institutions                              |   |   |  |     |
| 12  | COMMUNITY                   | No spaces for community use   |   |   | Gym, Café, Auditorium occasional community use  |   |   | Community access well planned + zoned   |   |        | Community uses co-habitate building:<br>Elderly Center, Clinic, Public Lib  |  | Public + private community spaces used regularly by students  |   |   |  |     |
| 13  | MIXED USE                   | Single use school building  |   |   | School shares site with other public uses: Library, Recreation  |   |   | School shares site with business/residential  |   |        | School shares site synergistically with business/residential  |  | School planned to partly convert to other uses when enrollments drop                                      |   |   |  |     |
| 14  | LEADERSHIP                  | Admin + Guid central but hard to find   |   |   | Central Admin + Guid at front door  |   |   | Central Admin; o  |   |        | Guidance spaces   |  | Distributed Guid + Admin  |   |   |  |     |
| 15  | PARENTS/<br>VOLUNTRS        | No spaces oriented to parents   |   |   | Parents access Library or Admin   |   |   | Parent Room   |   |        | Volunteer Room  |  | Parent Room + Volunteer Room  |   |   |  |     |

|    |                      |  | SCHOOL TRANS   | FC                    | RMATION + DEVE  | LOP                                 | MENT MAP 3.1.7  |          |   |  |
|----|----------------------|--|--|-----------------------|---|-------------------------------------|---|----------|---|--|
|    |                      | Name(s)  |  |                       |   |                                     | School (District)   |          |   | Col 1 = 1 point  |
|    |                      | MAINTAINING TRADITION  | INITIATING CHANGE  |                       | PROGRESSIVE   |                                     | TRANSFORMING  |          | TRANSFORMED   | Col 2 = 2 points<br>Col 3 = 3 points<br>Col 4 = 4 points |
|    |                      | 1 1  | 2  |                       | 3   |                                     | 4   |          | 5   | Col 5 = 5 points Average point value for                 |
|    |                      |  |  |                       |   |                                     | © 2016 Frank Lo   | cker Inc | fl@franklocker.com  | multi-column issues                                      |
|    |                      | INCLUDES PRACTICES BELOW   | INCLUDES PRACTICES BELOW   |                       | INCLUDES PRACTICES BELOW  |                                     | INCLUDES PRACTICES BELOW  |          | INCLUDES PRACTICES BELOW  | TOTALS   |
|    | 1                    | SPECIFIC SPACES  | SPECIFIC SPACES  |                       | SPECIFIC SPACES   |                                     | SPECIFIC SPACES   |          | SPECIFIC SPACES   |  |
| 16 | TRANSPAR-<br>ENCY    | No windows to corridors  | View panels at doors   |                       | working se  | parately/ii                         | ms allow teachers to observe students adependently                            |          | Abundant windows connecting all spaces, including Teacher + Admin               |  |
| 17 | GROUPING             | Building conceived as unrelated Classrooms along Corridors             | Classrooms related to others of similar use                          |                       |   | ers of diffo<br>/grade lea          | erent use to support interdisciplinary, multi<br>irning                       |          | Building conceived as suites of flexible learning spaces                        |  |
| 18 | SMALL GROUPS         | No small learning spaces   |  | Few                   | small group learning spaces irregularly lo                      | cated                               |   |          | Variety of small learning spaces closely related to core spaces + Med Ctr       |  |
| 19 | ARTS                 | No Visual/Perf Arts spaces   | Inadequate Visual/Perf Arts spaces                                   |                       | Spaces adequate, related to oth                                 | er "speci                           | als" but not related to core spaces   |          | Adequate arts spaces located to integrate w/ core learning                      |  |
| 20 | SPECIAL ED           | Separate Spl Ed spaces   | Spl Ed in ad hoc spaces converted from other uses, too big/too small |                       | Spl Ed "pull out" model;  | Resource                            | Rooms + Self Contained  |          | Inclusion model; minimal exclusive Spl<br>Ed spaces                             |  |
| 21 | PE/ ATHLETICS        | Inadequate space for Phys Ed   | Gym for Phys Ed/Intramurals/Athletics                                |                       | Multipurpose Gym designe  | d with goo                          | d acoustics for assembly use  |          | Gym/Pe/Atlhetics facilities used by community                                   |  |
| 22 | TECH ED              | No Tech Ed or "hands on" applied learning spaces                       | Tech Ed spaces, ur   | relate                | ed to core spaces   |                                     | Tech Ed spaces easy access from core spaces                                   |          | Tech Ed spaces integrated with core curriculum + spaces                         |  |
| 23 | WET LABS             | Highly specific labs: Science Labs designed for different sub sciences |  | Multi- <sub>l</sub>   | purpose Science Labs; other disciplines s                       | eparate                             |   |          | Labs are all flexible Wet Labs:<br>Science=Art=Home/Fam=Tech Ed                 |  |
| 24 | CLASS- ROOM<br>SIZES | Irregular Classroom sizes seen as inequitable                          | Uniform Classro  | om si                 | ze: equitable   |                                     | Classroom sizes vary to match size of student groups                          |          | Variety of learning spaces supporting teachers collaborating with varied groups |  |
| 25 | DRY LABS             | Insufficient Computer Labs   | Sufficient Computer Labs   |                       | Computer/Dry Labs flexib  | le for futu                         | re conversion to other uses   |          | Laptop computers; no Labs needed  |  |
| 26 | MEDIA CTR            | Media Ctr contains print media only                                    | Media Ctr contains print + electronic media                          |                       | Media Ctr demand reduced by classrooms contain electronic media |                                     | Media Ctr rethought as collaborative work/meeting/information place           |          | Media Ctr partly virtual, distributed in several locations                      |  |
| 27 | ASSEMBLY             | Assembly needs not served by facilities                                | Assembly needs served poorly: in Gym or Café; no Stage               |                       | Cafetorium with adequate Stage                                  |                                     | Auditorium sized for occasional peak use                                      |          | Auditorium stage sized for teaching & learning, seating as few as possible      |  |
| 28 | TEACHER<br>PLANNING  | No common teacher spaces except  Lounge or Dining                      | Conf Rooms for teacher use   | Teacher "hotels" + Co |   | + Conf Rms for common planning time |   |          | Teacher Planning Ctrs with Conf + Food  |  |
| 29 | CONNEC- TIONS        | Self contained classrooms with no connecting doors/walls               | Folding walls between few classrooms, always closed                  |                       | Doors/barn doors between classrooms                             |                                     | Variety of doors, folding walls, windows to adjacent spaces allow flexibility |          | Suites of flexible spaces for varied uses                                       |  |

|    |                        |   | SCHOOL TRAI  | NSFC | RMATION + DEVEL  | OP | <b>MENT MAP 3.1.7</b>  |          |   |      |  |
|----|------------------------|---|--|------|--|----|--|----------|---|------|--|
|    |                        | Name(s)   |  |      |  |    | School (District)  |          |   |      | Col 1 = 1 point  |
|    |                        | MAINTAINING TRADITION                                     | INITIATING CHANGE  |      | PROGRESSIVE  |    | TRANSFORMING   |          | TRANSFORMED   |      | Col 2 = 2 points<br>Col 3 = 3 points<br>Col 4 = 4 points     |
|    |                        | 1   | 2  |      | 3  |    | © 2016 Frank I o   | ncker In | 5<br>c fl@franklocker.com   |      | Col 5 = 5 points Average point value for multi-column issues |
|    |                        | INCLUDES PRACTICES BELOW                                  | INCLUDES PRACTICES BELOW   |      | INCLUDES PRACTICES BELOW   |    | INCLUDES PRACTICES BELOW   |          | INCLUDES PRACTICES BELOW  |      | TOTALS   |
|    |                        | FOOD SERVICE  | FOOD SERVICE   |      | FOOD SERVICE   |    | FOOD SERVICE   |          | FOOD SERVICE  |      |  |
| 30 | FOOD CHOICES<br>+ PREP | Menu includes no fresh food, one menu<br>choice each day  | Menu includes no fresh food, multiple<br>menu options offered, breakfast & after<br>school meals offered |      | Menu includes fresh, locally grown<br>food, multiple menu options, breakfast<br>+ after school meals offered |    | Menu includes fresh, locally grown food,<br>multiple menu options prepared by staff<br>and learners, breakfast + after school<br>meals offered |          | Menu includes fresh, locally grown food,<br>multiple menu options. Grown and<br>prepared by staff and learners, breakfast<br>+ after school meals offered |      |  |
|    |                        | SUSTAINABLE DESIGN  | SUSTAINABLE DESIGN   |      | SUSTAINABLE DESIGN   |    | SUSTAINABLE DESIGN   |          | SUSTAINABLE DESIGN  |      |  |
| 31 | ENVIRON<br>IMPACT      | No sustainable design focus                               | Building design focused on energy savings  |      | Building design incorporates energy savings, day lighting and low impact building materials                  |    | environment, integrates design,<br>construction and operation of building  |          | Building seeks carbon neutral impact,<br>integrates design, construction and<br>operation of building into curriculum                                     |      |  |
|    |                        | FURN + EQUIP  | FURN + EQUIP   |      | FURN + EQUIP   |    | FURN + EQUIP   |          | FURN + EQUIP  |      |  |
| 32 | TECH INTE-<br>GRATION  | Virtually no technology; no phones in classrooms          | Basic, non-integrated technology; intercom; no classroom phones  |      | Partial integrated technology; classroom phones  |    | Integrated tech. including interactive bds, doc proj; controls for all to use  |          | Integrated technology; students use PDAs, cell phones, notebooks, Kindles   |      |  |
| 33 | STUDENT<br>FURNITURE   | Single purpose connected desk/seats designed for lectures | Desks w/ movable seats, not groupable  |      | Flexible desks + chairs, groupable   |    | Flexible adjustable height ergonomic desks, chairs, bean bags  |          | Students work in personal workspaces  |      |  |
| 34 | CABINETRY              | Little or no cabinets/shelving in teaching spaces         | Basic fixed cabinetry; not enough to serve needs   |      | Fixed cabinetry sufficient for basic needs   |    | Fixed cabinetry meets all storage needs  |          | Flexible, adjustable cabinetry on wheels; groupable to change space   |      |  |
| 35 | COMPUTER<br>RATIO      | 10:1 student: computer ratio                              | 6:1 student: computer ratio  |      | 4:1 student: computer ratio; selective use of laptops  |    | 2:1 student: computer ratio; laptops on carts  |          | 1:1 student: computer ratio; laptops,<br>PDAs, tablets for all  |      |  |
|    |                        |   |  |      |  |    |  | FAC      | ILITIES AVERAGE OVERALL S   | CORE | #DIV/0! #DIV/0   |

|       | e: This spreadsheet includes the ts of four Micro Teams, averaged | Theresa      | a, Linda     | Gail, Ste    | eve, Seth    |              | rry, Nancy,  | MS, GN | , NS, KR |              |                  |                 |
|-------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------|----------|--------------|------------------|-----------------|
| overa | ll, therefore overall averages differ                             | MICRO        | TFAM 1       | MICRO        | TEAM 2       | MICRO        | TEAM 3       | MICRO  | TEAM 4   |              |                  | DIFF BETWEN     |
| fro   | om those reported in Ch 3 and<br>Appendix Ch 5.2.                 |              | IS           |              | IS           |              | IS           |        | IS       | ALL MICE     | O TEAMS          | NOW &<br>FUTURE |
| EDU   | CATIONAL DELIVERIES   | NOW          | FUT          | NOW          | FUT          | NOW          | FUT          | NOW    | FUT      | NOW          | FUT              | LEAPS           |
|       | INSTRUCTION   |              |              |              |              |              |              |        |          |              | ISTRUCTIO        |                 |
| 1     | LEARNING THEME  | 2.50         | 4.00         | 2.50         | 4.00         | 1.00         | 4.00         | 0.00   | 0.00     | 2.00         | 2.00             |                 |
| 2     | EXHIBITIONS   | 2.00         | 5.00         | 2.00         | 3.00         | 2.00         | 5.00         | 0.00   | 0.00     | 2.00         | 4.33             | 2.33            |
| 3     | DIFFERENCES   | 2.00         | 5.00         | 1.00         | 2.00         | 1.00         | 5.00         | 0.00   | 0.00     | 1.33         | 4.00             | 2.67            |
| 4     | PERSONAL LEARNING   | 3.50         | 5.00         | 2.00         | 3.50         | 3.50         | 5.00         | 0.00   | 0.00     | 3.00         | 4.50             | 1.50            |
| 5     | COLLABORATION   | 4.00         | 5.00         | 3.00         | 4.00         | 2.00         | 4.00         | 0.00   | 0.00     | 3.00         | 4.33             | 1.33            |
| 6     | TEACHER TEAMS   | 2.00         | 5.00         | 2.00         | 4.00         | 2.00         | 4.00         | 0.00   | 0.00     | 2.00         | 4.33             | 2.33            |
| 7 8   | OWNERSHIP   | 3.50         | 5.00         | 1.00         | 5.00         | 1.00         | 5.00         | 0.00   | 0.00     | 1.83         | 5.00             | 3.17            |
| 9     | AWARENESS<br>TECHNOLOGY   | 2.00<br>4.00 | 5.00<br>5.00 | 1.00<br>3.00 | 5.00<br>5.00 | 1.00<br>3.00 | 5.00<br>5.00 | 0.00   | 0.00     | 1.33<br>3.33 | 5.00<br>5.00     | 3.67<br>1.67    |
| 10    | DISPLAY   | 1.00         | 5.00         | 1.00         | 5.00         | 1.00         | 5.00         | 0.00   | 0.00     | 1.00         | 5.00             | 4.00            |
| 11    | DELIVERY  | 4.00         | 5.00         | 2.00         | 5.00         | 2.00         | 5.00         | 0.00   | 0.00     | 2.67         | 5.00             | 2.33            |
| 12    | INTEGRATION   | 2.00         | 4.00         | 2.00         | 5.00         | 2.00         | 4.00         | 0.00   | 0.00     | 2.00         | 4.33             | 2.33            |
| 13    | LEARNING LOCATION   | 2.50         | 5.00         | 2.50         | 5.00         | 1.00         | 5.00         | 0.00   | 0.00     | 2.00         | 5.00             | 3.00            |
| 14    | WHO TEACHES   | 3.00         | 4.00         | 2.00         | 4.00         | 1.00         | 4.00         | 0.00   | 0.00     | 2.00         | 4.00             | 2.00            |
| 15    | MAKING LEARNING VISIBLE   | 2.00         | 5.00         | 2.00         | 5.00         | 2.00         | 5.00         | 0.00   | 0.00     | 2.00         | 5.00             | 3.00            |
|       | CURRIC/ASSESSMENT   |              |              |              |              |              |              |        |          | CURR         | IC/ASSESS        | SMENT           |
| 16    | ASSESSMENTS   | 3.00         | 4.00         | 3.00         | 5.00         | 3.00         | 4.00         | 0.00   | 0.00     | 3.00         | 4.33             | 1.33            |
| 17    | CURRIC FLEX   | 4.00         | 5.00         | 2.00         | 4.00         | 2.00         | 5.00         | 0.00   | 0.00     | 2.67         | 4.67             | 2.00            |
| 18    | SOCIAL/ EMOTIONL  | 2.50         | 5.00         | 2.50         | 4.00         | 2.50         | 5.00         | 0.00   | 0.00     | 2.50         | 4.67             | 2.17            |
| 19    | 21st CENT SKILLS  | 2.50         | 5.00         | 1.00         | 5.00         | 1.00         | 5.00         | 0.00   | 0.00     | 1.50         | 5.00             | 3.50            |
| 20    | CURRICULUM  | 3.50         | 5.00         | 2.00         | 5.00         | 2.00         | 5.00         | 0.00   | 0.00     | 2.50         | 5.00             | 2.50            |
| 21    | KNOW-EDGE<br>TEXT BOOKS   | 3.00         | 5.00         | 3.00         | 5.00         | 3.00         | 5.00         | 0.00   | 0.00     | 3.00<br>2.50 | 5.00<br>5.00     | 2.00<br>2.50    |
| 23    | PACE + VEHICLES   | 3.00         | 5.00<br>4.00 | 0.00<br>1.00 | 0.00<br>4.00 | 2.00<br>1.00 | 5.00<br>4.00 | 0.00   | 0.00     | 1.67         | 4.00             | 2.33            |
| 24    | GRADING   | 2.00         | 5.00         | 2.00         | 2.00         | 2.00         | 3.50         | 0.00   | 0.00     | 2.00         | 3.50             | 1.50            |
| 25    | FREQUENCY   | 1.00         | 5.00         | 2.00         | 3.50         | 2.00         | 5.00         | 0.00   | 0.00     | 1.67         | 4.50             | 2.83            |
| 2.0   | LEADERSHIP  | 1100         | 0.00         |              | 0.00         |              | 0.00         | 0.00   | 0.00     |              | EADERSH          |                 |
| 26    | DISTRIBUTION  | 3.00         | 5.00         | 3.00         | 3.00         | 1.00         | 5.00         | 0.00   | 0.00     | 2.33         | 4.33             | 2.00            |
| 27    | SCHEDULING  | 2.50         | 5.00         | 1.00         | 5.00         | 1.00         | 5.00         | 0.00   | 0.00     | 1.50         | 5.00             | 3.50            |
|       | PROF DEVELOPMENT  |              |              | -            |              | •            |              | •      |          | PROF         | DEVELOP          | MENT            |
| 28    | PROF DEVELOPMENT  | 1.00         | 5.00         | 2.00         | 5.00         | 2.00         | 5.00         | 0.00   | 0.00     | 1.67         | 5.00             | 3.33            |
| 29    | COMMON PLANNING   | 3.50         | 5.00         | 2.00         | 3.50         | 3.50         | 3.50         | 0.00   | 0.00     | 3.00         | 4.00             | 1.00            |
|       | RELATIONSHIP BUILDING   |              |              |              |              |              |              |        |          |              | ONSHIP B         |                 |
| 30    | ADVISORS  | 2.00         | 5.00         | 2.00         | 5.00         | 2.00         | 5.00         | 0.00   | 0.00     | 2.00         | 5.00             | 3.00            |
| 31    | KNOWING CONNECTIONS   | 3.50         | 5.00         | 2.00         | 5.00         | 3.50         | 5.00         | 0.00   | 0.00     | 3.00         | 5.00<br>ONNECTIO | 2.00            |
| 32    | ADULTS  | 1.00         | 5.00         | 1.00         | 5.00         | 2.50         | 4.00         | 0.00   | 0.00     | 1.50         | 4.67             | 3.17            |
| 33    | ARTICULATION  | 3.00         | 5.00         | 2.00         | 4.00         | 2.00         | 5.00         | 0.00   | 0.00     | 2.33         | 4.67             | 2.33            |
| 34    | COMMUNITY   | 3.50         | 5.00         | 2.00         | 5.00         | 2.00         | 3.50         | 0.00   | 0.00     | 2.50         | 4.50             | 2.00            |
|       | ELEMENTARY  |              | U.UU         |              | 0.00         |              | 0.00         |        | 0.00     |              | LEMENTAR         |                 |
|       | TECHNOLOGY  | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00   | 0.00     | 0.00         | 0.00             | 0.00            |
| 36    | GROUPING  | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00   | 0.00     | 0.00         | 0.00             | 0.00            |
| 37    | EXPLRATORY  | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00   | 0.00     | 0.00         | 0.00             | 0.00            |
|       | MIDDLE YEARS  |              |              |              |              |              |              |        |          | _            | DDLE YEA         | _               |
| 38    | TRACKING  | 0.00         | 0.00         | 0.00         | 0.00         | 1.00         | 5.00         | 0.00   | 0.00     | 1.00         | 5.00             | 4.00            |
| 39    | SCHOOL CONCEPT  | 2.00         | 3.50         | 0.00         | 0.00         | 2.00         | 3.50         | 0.00   | 0.00     | 1.33         | 2.33             | 1.00            |
| 40    | HIGH SCHOOL   | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00   | 0.00     |              | IGH SCHOO        | _               |
| 40    | TRACKING  | 0.00         | 0.00         | 2.00         | 3.00         | 0.00         | 0.00         | 0.00   | 0.00     | 2.00<br>1.00 | 3.00             | 1.00<br>2.50    |
| 41    | SCHOOL ORG<br>ELECTIVES   | 0.00         | 0.00         | 1.00<br>3.00 | 3.50         | 0.00         | 0.00         | 0.00   | 0.00     | 3.00         | 3.50             | 0.00            |
| 43    | INTERDISCPLINARY  | 0.00         | 0.00         | 1.00         | 5.00         | 0.00         | 0.00         | 0.00   | 0.00     | 1.00         | 5.00             | 4.00            |
| 44    | APPLIED LEARNING  | 0.00         | 0.00         | 1.00         | 5.00         | 0.00         | 0.00         | 0.00   | 0.00     | 1.00         | 5.00             | 4.00            |
| 45    | CLASS SIZE  | 0.00         | 0.00         | 1.00         | 2.50         | 0.00         | 0.00         | 0.00   | 0.00     | 1.00         | 2.50             | 1.50            |
| 46    | TIME TABLE  | 0.00         | 0.00         | 3.50         | 5.00         | 0.00         | 0.00         | 0.00   | 0.00     | 3.50         | 5.00             | 1.50            |
|       |   | 2.64         | 4.81         | 1.93         | 4.24         | 1.90         | 4.61         | 0.00   | 0.00     | 2.16         | 4.55             | 1.71            |
|       |   |              |              |              |              |              |              |        |          |              |                  |                 |

1

| Note: This spreadsheet includes the results of four Micro Teams, averaged overall, therefore overall averages differ from those reported in Ch 3 and Appendix Ch 5.2. |                           | Theresa, Linda  MICRO TEAM 1  MS |      | Gail, Steve, Seth MICRO TEAM 2 HS |      | Greg, Kerry, Nancy,<br>Bill<br>MICRO TEAM 3<br>MS |      | MS, GN, NS, KR MICRO TEAM 4 MS |      |                 |           |                                |
|---|---------------------------|----------------------------------|------|-----------------------------------|------|---|------|--------------------------------|------|-----------------|-----------|--------------------------------|
|   |                           |                                  |      |                                   |      |   |      |                                |      | ALL MICRO TEAMS |           | DIFF BETWEN<br>NOW &<br>FUTURE |
|   |                           |                                  |      |                                   |      |   |      |                                |      |                 |           |                                |
|   | OVERALL PLANNING          |                                  |      |                                   |      |   |      |                                |      | OVE             | RALL PLAN | NING                           |
| 1   | SIZE/ CAPACITY            | 4.00                             | 5.00 | 1.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 2.00            | 5.00      | 3.00                           |
| 2   | FUTURE PROOFING           | 3.00                             | 5.00 | 1.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.67            | 5.00      | 3.33                           |
| 3   | COLLABORATION             | 3.00                             | 5.00 | 1.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.67            | 5.00      | 3.33                           |
| 4   | VISIBLE LEARNING          | 3.00                             | 5.00 | 3.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 2.33            | 5.00      | 2.67                           |
| 5   | FLEXIBILITY               | 1.00                             | 5.00 | 2.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.33            | 5.00      | 3.67                           |
| 6   | SOCIAL SETTING            | 1.00                             | 5.00 | 1.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.00            | 5.00      | 4.00                           |
| 7   | EXPRESSION                | 4.00                             | 5.00 | 2.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 2.33            | 5.00      | 2.67                           |
| 8   | SCHOOL ORGANIZATION       | 2.00                             | 5.00 | 2.00                              | 3.50 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.67            | 4.50      | 2.83                           |
| 9   | INTERDISCIPLINARY         | 2.00                             | 5.00 | 2.00                              | 4.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.67            | 4.67      | 3.00                           |
| 10  | MOVEMENT                  | 2.00                             | 5.00 | 2.00                              | 4.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.67            | 4.67      | 3.00                           |
| 11  | AUTONOMY                  | 1.00                             | 0.00 | 1.00                              | 2.00 | 1.00  | 2.00 | 0.00                           | 0.00 | 1.00            | 2.00      | 1.00                           |
| 12  | COMMUNITY                 | 3.00                             | 5.00 | 2.00                              | 5.00 | 2.00  | 3.00 | 0.00                           | 0.00 | 2.33            | 4.33      | 2.00                           |
| 13  | MIXED USE                 | 1.00                             | 5.00 | 3.00                              | 4.00 | 1.00  | 2.00 | 0.00                           | 0.00 | 1.67            | 3.67      | 2.00                           |
| 14  | LEADERSHIP                | 2.00                             | 5.00 | 2.00                              | 5.00 | 2.00  | 5.00 | 0.00                           | 0.00 | 2.00            | 5.00      | 3.00                           |
| 15  | PARENTS/ VOLUNTRS         | 5.00                             | 0.00 | 1.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 2.33            | 5.00      | 2.67                           |
|   | SPECIFIC SPACES           |                                  |      |                                   |      |   |      |                                |      | SPE             | CIFIC SPA | CES                            |
| 16  | TRANSPARENCY              | 3.50                             | 5.00 | 2.00                              | 5.00 | 2.00  | 5.00 | 0.00                           | 0.00 | 2.50            | 5.00      | 2.50                           |
| 17  | GROUPING                  | 3.50                             | 5.00 | 1.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.83            | 5.00      | 3.17                           |
| 18  | SMALL GROUPS              | 3.00                             | 5.00 | 1.00                              | 5.00 | 3.00  | 5.00 | 0.00                           | 0.00 | 2.33            | 5.00      | 2.67                           |
| 19  | ARTS                      | 2.00                             | 5.00 | 2.00                              | 3.50 | 2.00  | 5.00 | 0.00                           | 0.00 | 2.00            | 4.50      | 2.50                           |
| 20  | SPECIAL ED                | 2.00                             | 0.00 | 2.00                              | 3.50 | 3.50  | 5.00 | 0.00                           | 0.00 | 2.50            | 4.25      | 1.75                           |
| 21  | PE/ ATHLETICS             | 1.00                             | 5.00 | 2.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.33            | 5.00      | 3.67                           |
| 22  | TECH ED                   | 4.00                             | 5.00 | 2.50                              | 5.00 | 2.50  | 4.00 | 0.00                           | 0.00 | 3.00            | 4.67      | 1.67                           |
| 23  | WET LABS                  | 1.00                             | 5.00 | 1.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.00            | 5.00      | 4.00                           |
| 24  | CLASSROOM SIZES           | 4.00                             | 5.00 | 1.00                              | 5.00 | 2.50  | 5.00 | 0.00                           | 0.00 | 2.50            | 5.00      | 2.50                           |
| 25  | DRY LABS                  | 2.00                             | 3.50 | 1.00                              | 3.50 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.33            | 4.00      | 2.67                           |
| 26  | MEDIA CTR                 | 2.00                             | 5.00 | 2.00                              | 4.00 | 2.00  | 4.00 | 0.00                           | 0.00 | 2.00            | 4.33      | 2.33                           |
| 27  | ASSEMBLY                  | 4.00                             | 5.00 | 4.00                              | 4.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 3.00            | 4.67      | 1.67                           |
| 28  | TEACHER PLANNING          | 2.00                             | 5.00 | 1.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.33            | 5.00      | 3.67                           |
| 29  | CONNECTIONS               | 2.00                             | 5.00 | 2.00                              | 3.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.67            | 4.33      | 2.67                           |
| FOOD SERVICE FOOD S   |                           |                                  |      |                                   |      |   |      |                                |      | OOD SERVI       | CE        |                                |
| 30  | FOOD CHOICES + PREP       | 3.00                             | 5.00 | 2.00                              | 5.00 | 2.00  | 4.00 | 0.00                           | 0.00 | 2.33            | 4.67      | 2.33                           |
|   | SUSTAINABLE               |                                  |      |                                   |      |   |      |                                |      | S               | USTAINAB  | E                              |
| 31  | ENVIRON IMPACT            | 2.00                             | 5.00 | 1.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 1.33            | 5.00      | 3.67                           |
|   | FURN + EQUIP FURN + EQUIP |                                  |      |                                   |      |   |      |                                |      |                 |           | IP                             |
| 32  | TECH INTEGRATION          | 4.00                             | 5.00 | 3.00                              | 5.00 | 3.00  | 5.00 | 0.00                           | 0.00 | 3.33            | 5.00      | 1.67                           |
| 33  | STUDENT FURNITURE         | 0.00                             | 5.00 | 1.00                              | 4.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 0.67            | 4.67      | 4.00                           |
| 34  | CABINETRY                 | 3.00                             | 5.00 | 1.00                              | 5.00 | 2.00  | 5.00 | 0.00                           | 0.00 | 2.00            | 5.00      | 3.00                           |
| 35  | COMPUTER RATIO            | 2.00                             | 0.00 | 4.00                              | 5.00 | 1.00  | 5.00 | 0.00                           | 0.00 | 2.33            | 5.00      | 2.67                           |
|   |                           | 1.59                             | 4.71 | 1.61                              | 4.28 | 1.56  | 4.41 | 1.90                           | 3.91 | 1.94            | 4.72      | 2.78                           |