

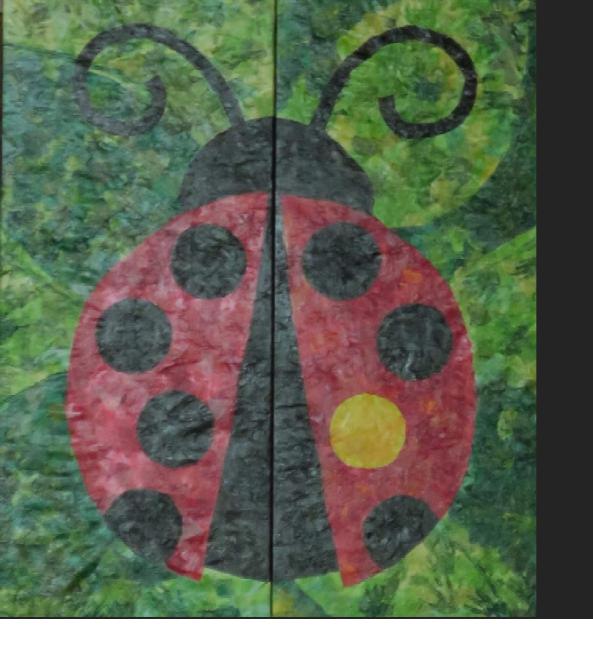
We live for the most part in closed rooms. These form the environment from which our culture grows. Our culture is to a certain extent the product of our architecture. If we want our culture to rise to a higher level, we are obliged, for better or for worse, to change our architecture. And this only becomes possible if we take away the closed character from the rooms in which we live.

MORNING HUMOR



FAVORITE SUPER HERO?





SCHOOL DISTRICT BACKGROUND



Philadelphia, PA, USA NR listed schools Blue: Orange: Unevaluated schools Ineligible schools Green: Demolished schools Yellow: Purple: Eligible schools Imagery Date: 10/7/2011 18 S 486087.63 m E 4423900.05 m N elev 83 ft eye

Mapped with BatchGeo using GoogleEarth 2014.

UNDERSTANDING SCALE

202,538 Students-

8th Largest School District in the Country

18,476 Active EmployeesIncluding 8,700 Teachers326 Schools District-Wide

Schools	District	Charter
Elementary	49	11
Elementary - Middle	99	34
Elementary- Middle - High	1	15
Middle	16	6
Middle - High	10	7
High School	67	11

CAPITAL PROGRAMS HISTORY

2003 ~ 2011

\$1.8 BILLION IN CONSTRUCTION

New Construction for

- 4 New High Schools
- 4 New K-8 Facilities
- 1 New Elementary School (K-4)

Added Additions to

- 1 High School
- 1 Middle School
- 5 K-8 Facilities

Major Renovations to 5 schools

3 New Primary Education Centers

Classroom Modernizations to 27 K-8 Schools

Various life cycle and system replacements

2018 - TODAY

\$275 MILLION OF NEW BONDS

New Construction for

Solis-Cohen Elementary

Additions to

4 K-8 Facilities

Major Renovations to

- 2 High Schools
- 2 Middle Schools
- 1 K-8 Facility

Classroom Modernizations to 38 Schools for Early Literacy in PK – 3rd Classrooms

Incorporation of Additional Science Labs System of Great Schools (SGS) – 6 Schools



Philly school buildings need nearly \$5B in repairs, new report says

by Kristen A. Graham, Posted: January 26, 2017

For the first time in 14 years, the Philadelphia School District has assessed the state of its aging buildings, and the results are staggering: The system identified more than 12,000 outstanding repairs.

It would cost nearly \$5 billion to do the work. Officials predict that they will need to spend \$3 billion in the next 10 years to address urgent problems.

Because of delayed maintenance, close to three-quarters of city schools are in poor repair, and a third of all schools are in such bad shape that they are "outside the sustainable funding range." Engineers recommend that some of these be replaced or closed in the coming years.

District officials said repair or closure recommendations for some buildings were not a prediction of school closings, only a statement of building conditions.



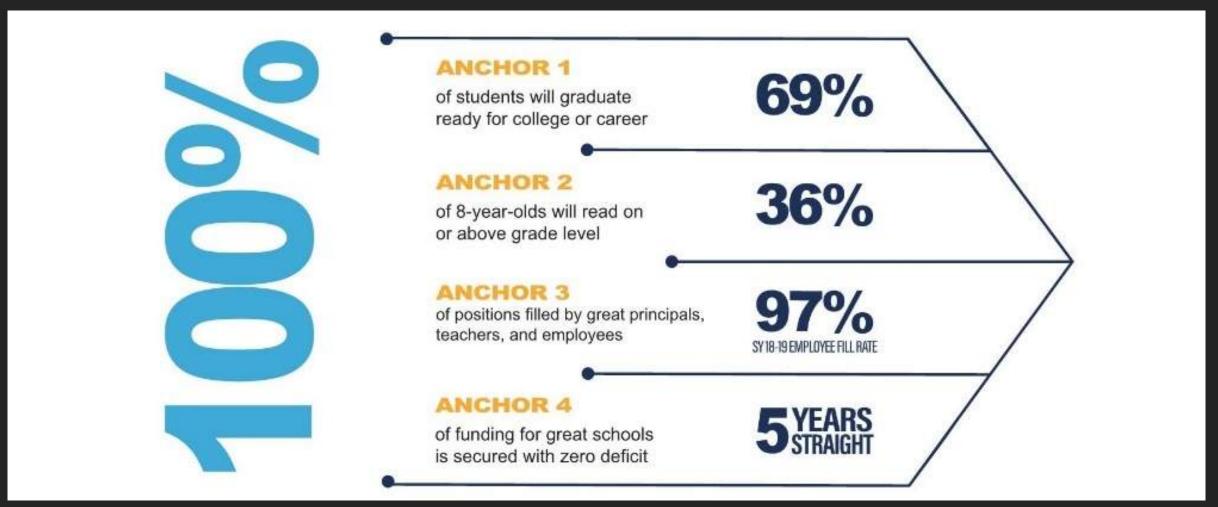
2011 - 2018

CAPITAL PROGRAMS & DISTRICT ANALYSIS

Repair to building envelopes including roofs, windows, etc
Incorporation of additional Science and CTC Programs

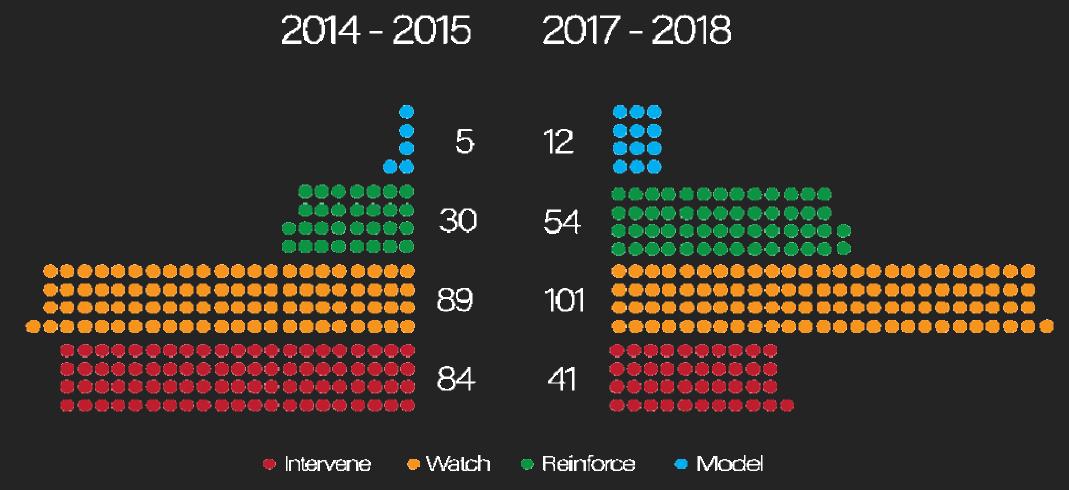
School Relocations
School Closings (32 Programs, 24 Schools)
Overall District Reorganization

FOUR ANCHOR GOALS



"Our anchor goals are set to 100% because every child deserves a high-quality education. They underscore our belief that all students can achieve, and they focus our work to ensure that we are creating great schools in every neighborhood."

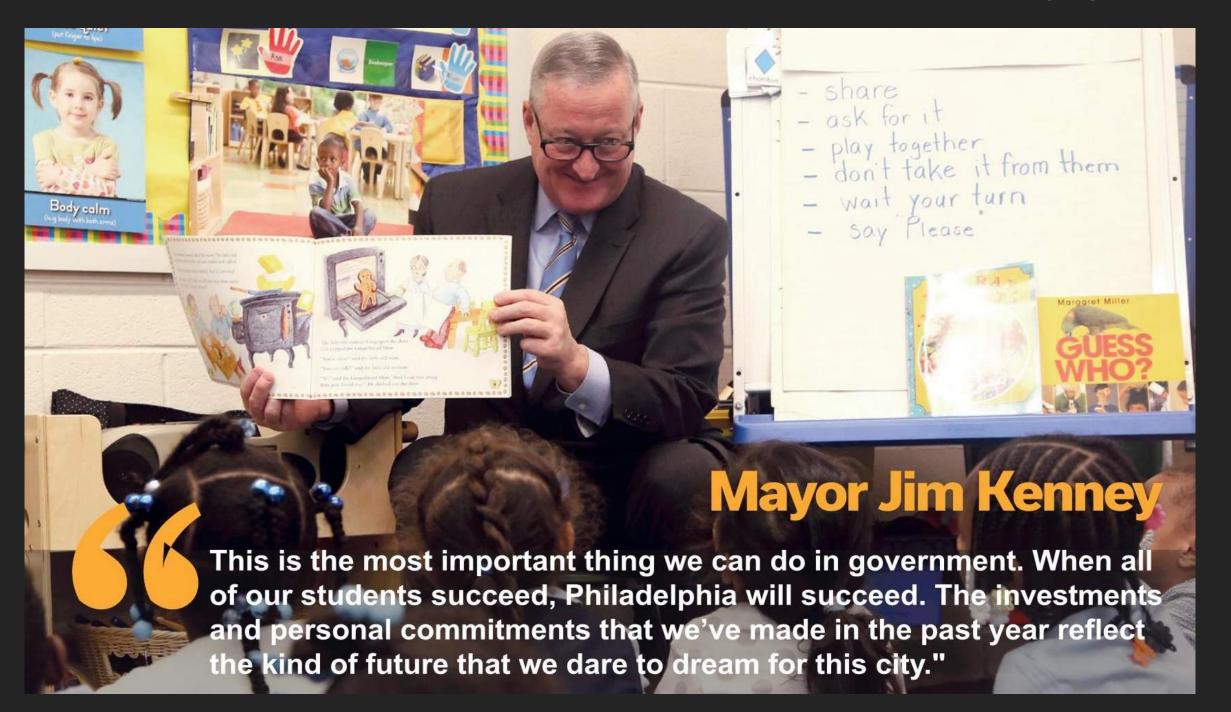
SCHOOL PROGRESS REPORT



Data visualization of school progress to date, showing **50 percent fewer lower performing schools and two times the number of higher performing schools.**







District-wide **financial stability and local control** of our schools are allowing us to make investments to improve the education our students receive. We've transformed classrooms across the city into modern learning spaces with state-of-the-art technology and the services that support students and families.



SUSTAINABLE VISION



energy

environment



economy

engagement



2016

RELEASE OF GREENWORKS 2016 PLAN

REBUILDING COMMUNITY INFRASTRUCTURE

Investment in improving libraries, recreation centers, and other neighborhood assets throughout Philadelphia

In 2009, the Office of Sustainability began a comprehensive vision for a sustainable Philadelphia. The Greenworks Plan has guided efforts by local government and partners throughout our community to develop plans, carry out programs and work together to make Philadelphia a more sustainable city.

2018

TRANSPORTATION MASTER PLAN

Citywide effort centered on transportation's impacts on racial equity, climate and resilience, and community health

2019+

LITTER PLAN

2017

Q.

Comprehensive strategy to reduce litter citywide

ENERGY MASTER PLAN

Analysis of municipal government energy management and citywide energy policies toward reducing carbon emissions 80 percent by 2050

SHARED FOOD METRICS

Establish a set of goals to assess progress of food system work in Philadelphia

GREENWORKS EQUITY INDEX

Data-driven interventions to help communities

LOOKING FORWARD

OOS and city partners will continue to identify opportunities and develop strategies to meet the Greenworks visions

In 2014

22% of Philadelphians were food insecure.

Philadelphia buildings emitted 9.8 million metric tons of carbon pollution.

53,138 sensitive Philadelphians lived in hotter than average neighborhoods.

37% of Philadelphians chose a low-carbon commute.

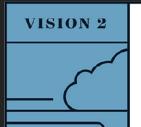
Philadelphians generated 2.5 million tons of waste.

In 2015 Philadelphia had 16 unhealthy Air Quality Index (AQI) days.

As of June 2016, Philadelphians has installed green stormwater infrastructure that catches raining falling on 838 acres.

VISION 1

All Philadelphians have access to healthy, affordable, and sustainable food and drinking water



All Philadelphians breathe healthy air inside and outside



All Philadelphians efficiently use clean energy that they can afford





All Philadelphians are prepared for climate change and reduce carbon pollution

VISION 5



All Philadelphians benefit from parks, trees, stormwater management, and healthy waterways

VISION 6



All Philadelphians have access to safe, affordable, and low-carbon transportation

VISION 7



All Philadelphians waste less and keep our neighborhoods clean

VISION 8



All Philadelphians benefit from sustainability education, employment, and business opportunities

GREENWORKS VISIONS

Residents from 92% of
Philadelphia's zip codes
participated in updating
Greenworks in 2016.

THE CITY



Food and water are basic human needs.



Clean air is fundamental to the health of our residents and city.



Using **cleaner energy** more efficiently will save money and **reduce urban carbon pollution**.



The usual weather conditions in Philadelphia are getting warmer, wetter and more extreme.



Green, natural spaces improve our mental and physical health, keep our air and water clean and contribute to safer and stronger communities.



A **robust transportation network is critical** for Philadelphia's residents and businesses.



To eliminate all waste in Philadelphia we must significantly reduce the amount of trash we create and increase the amount we reuse and recycle.



Creating a sustainable city depends on our ability to educate and engage both current leaders and next generation of sustainability stewards.

THE SCHOOL

Design includes an **outdoor science classroom dedicated to growing food** and educating elementary students.

Anticipated **36% reduction in water use** beyond code standards.

Conducting **indoor air quality testing** during and after construction.

236kW Solar Array on roof and anticipated 46.5% reduction in energy usage beyond code standards.

Use of white TPO roof and concrete in lieu of black asphalt to dramatically reduce heat-island effect.

Green, natural spaces and play areas incorporated on-site including outdoor learning areas.

The site includes **several walkways and bike paths** and easy access to nearby bus stops to encourage sustainable transportation and physical activity of students.

More than 75% of waste to be recycled during construction and District-wide recycling program implemented.





For Solis-Cohen Elementary, education and community engagement occurred at all stages of design and the school was created to encourage and develop all aspects of sustainability into the daily life of the students.

Inspiring the Next Generation of Sustainability Leaders

Motivated and involved young people are the foundation of a sustainable Philadelphia, today and tomorrow. Read on to find out how the School District of Philadelphia is leading on sustainability and what books might interest the budding environmentalist in your life.

Philadelphia's Green Ribbon School District

What does the GreenFutures plan have in store for Philadelphia public school students?

Last May the School District of Philadelphia was one of nine districts nationwide to receive the U.S. Department of Education's Green Ribbon Schools sustainability award. The award recognizes schools around the country committed to innovative efforts to reduce environmental impact and utility costs, improve health and wellness, and ensure effective sustainability education.

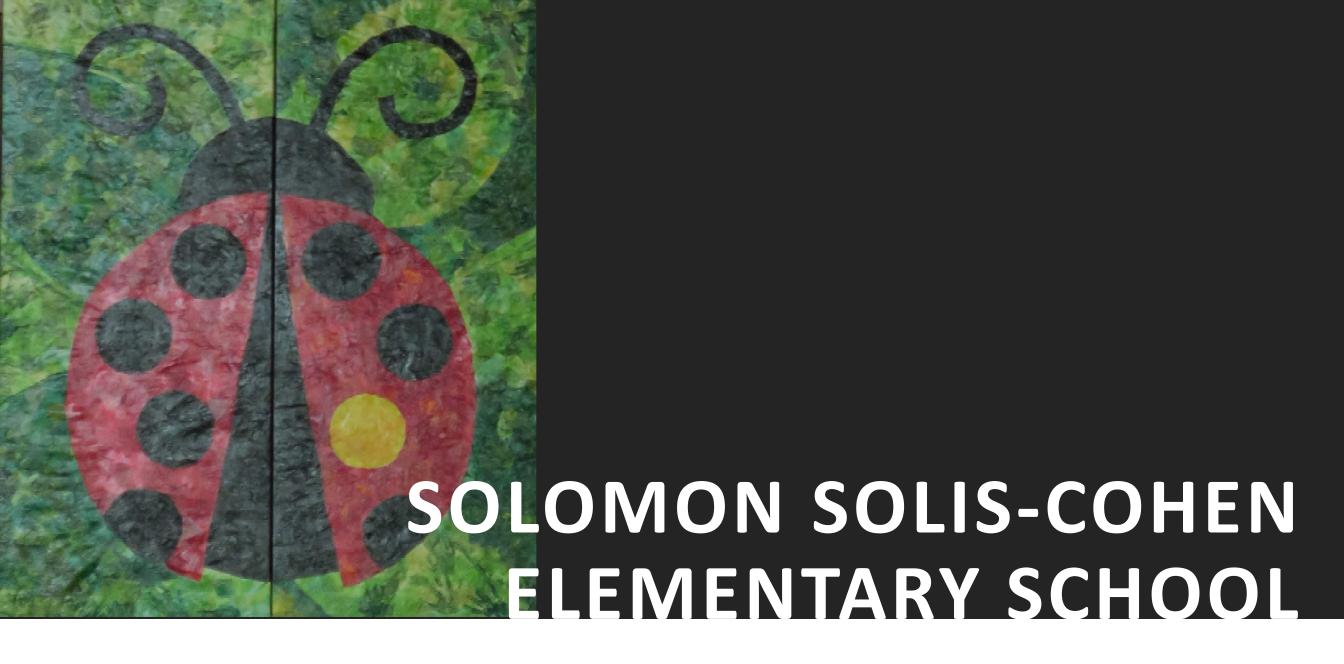
In Philadelphia, that means implementing the District's first-ever comprehensive sustainability plan, *GreenFutures*. The plan launched in 2016 and has already made progress across its five focus areas (see sidebar to the right). Stay tuned for the first annual GreenFutures Progress Report later this year, which will outline why it's no surprise the School District of Philadelphia is already receiving national recognition for its sustainability efforts.





Green schoolyards can transform the way children play, move, and learn. They also have a role in achieving the city's targets for sustainability, wellness, and stormwater management. A strong network of community leadership and resources is emerging in Philadelphia to support schoolyard transformation. To learn about resources to help you green your local schoolyard, check out the Community Design Collaborative's *Transforming Philadelphia's Schoolyards* guide.





















S SOLIS-COHEN PUBLIC SCHOOL

PROJECT UNDERSTANDING

EXISTING CONDITIONS

SOLOMON SOLIS COHEN ES

- Grades 1-5
- Approx. 97,000 sq.ft.
- Constructed between 1948-1954

PRIMARY EDUCATION CENTER

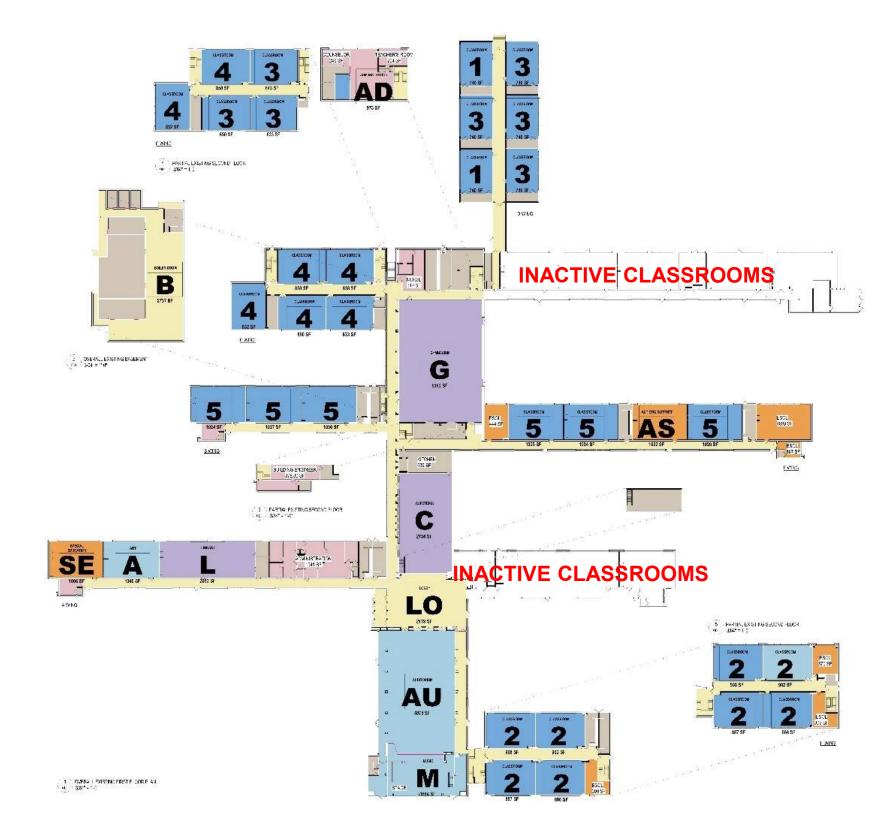
- Approx. 24,325 sq. ft.
- Grades K-1
- Enrollment 1300 students
- 30% English Speaking other
 Languages (ESOL) Students
- 12 acre site



CONNECTION TO LOCAL NEIGHBORHOOD - 2 STORY BUILDINGS



MIXTURE OF STONE & BRICK - 2 DOMINANT MATERIALS



EXISTING S. SOLIS-COHEN ELEMENTARY SCHOOL

97,000 SQUARE FEET

CONSTRUCTED 1948

34 ACTIVE CLASSROOMS

8 INACTIVE CLASSROOMS

LIMITED PREP CLASSROOMS & STORAGE

ONE STORY & LONG
TRAVEL WITHIN SCHOOL

3 CONSTRUCTION PERIODS

NO CONNECTION TO PRIMARY EDUCATION CENTER

Our Mission

Our Solis-Cohen Learning Community is...

DEDICATED to achieving academic excellence.

<u>DEVOTED</u> to providing our culturally diverse community with a safe and supportive environment where student achievement is our focus.

<u>COMMITTED</u> to developing a community of life long learners who can thrive in an ever-changing global economy.



Sharp-eyed worker discovers Solis-Cohen Elementary is crumbling

by By Kristen A. Graham, Inquirer Staff Writer, Posted: September 2, 2015

Hundreds of students who attend Solis-Cohen Elementary in the Northeast will not be able to start their school year on time due to serious structural problems at the building.

The building at 7001 Horrocks St. was recently discovered to be structurally unsound, Philadelphia School District spokesman Fernando Gallard confirmed.

The emergency repairs are part of an ongoing problem in the city school system, where many of the 200-plus buildings are old and in poor condition.

One district estimate put the unmet capital needs of the system at \$4 billion.

Ad closed by

Stop seeing

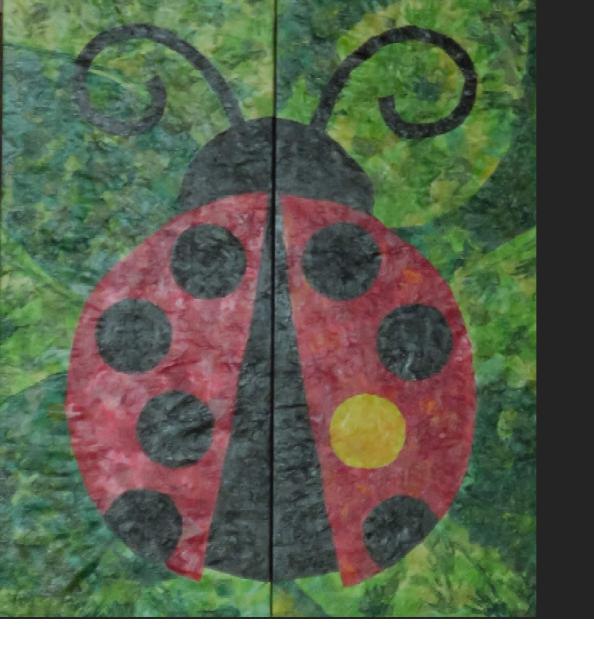
Why this a



PROJECT UNDERSTANDING

PROJECT GUIDING PRINCIPLES

- Reduce building footprint
- Provide a connection to PEC
- Improve site circulation
- Passive security design
- Improved site security
- Outdoor play space
- Increase cafeteria seating/service
- Daylighting and ventilation
- Proper site orientation
- Multi-story design



MAXIMIZING INVESTMENT

THE SCHOOL DISTRICT OF PHILADELPHIA

Solis-Cohen Elementary



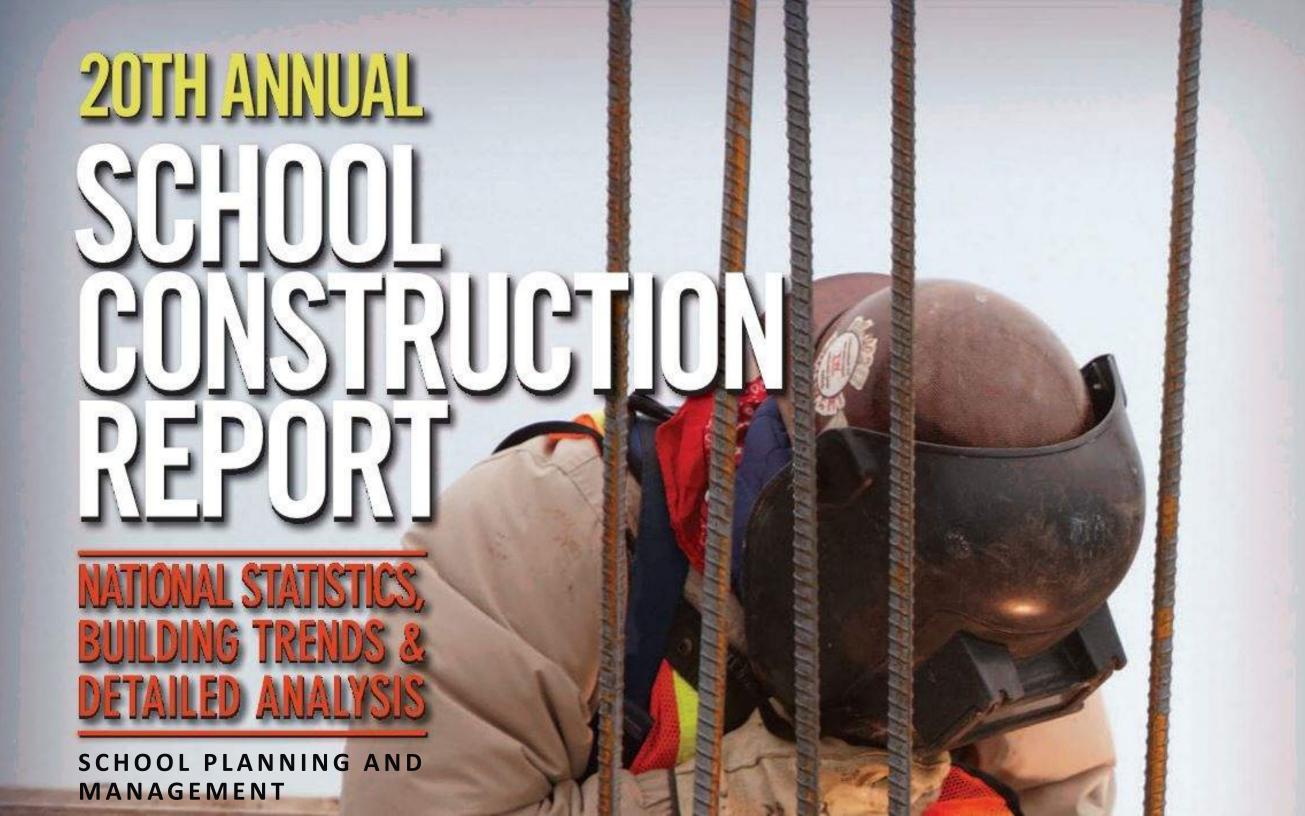
Proposed Educational Program- Schematic Design			Crabtree, Rohrbaugh & Associates Architects					
Project No. 3066			5/30/2017 Update					
Total Gross SF:			140,000 SF			97,023 SF	Once building floor plan is generated based upon Scheduled Areas, building net to gross factor can be determined. RFP Building Area was based upon 110,000 SF as a starting point.	
Total Scheduled Area Net SF:			106,338 SF			62,995 SF		
Net to Gross SF =			1.32 SF			1.54 SF		
PDE Standard Net to Gross SF =			1.58 SF			1.58 SF		
			PROPOSED BUILDING			EXSITING BUILDING	NOTES	
SCHEDULED AREA								
Academic Core Program			54,910 SF			40,828 SF		
	SF Standard	No. Rooms	Total SF	SF Standard	No. Rooms	Total SF	NOTES	
General Education Classrooms		56	46,950 SF		45	38,034 SF		
English to Speakers of Other Languages (ESOL) Classrooms	900 SF	6	5,400 SF	387 SF	7	2,709 SF	900 SF space that divides into (2) 450 utilizing a Modernfold door.	

FINANCIAL & PROGRAMMATIC CHALLENGE

1,200-1,400 students

Minimize Grossing Factor Reduce Square Foot per Student

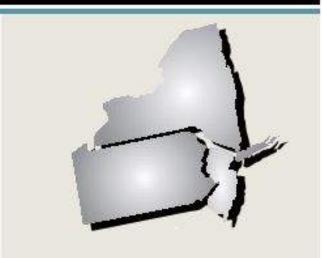
 Solis-Cohen Elementary School 97-116 square feet/ student



REGION 2 MEDIANS NEW SCHOOLS (NJ, NY, PA)

	Elementary	Middle	High \$333.33		
\$/sq. ft.	\$235.36	\$250.93			
\$/student	\$43,083	\$57,940	\$63,120		
Sq. ft./student	183.0	239.7	174.2		
Students	602	785	600		
Size (sq. ft.)	95,368	183,500	90,000		
Total cost (\$000)	\$21,000	\$45,850	\$58,000		

The median elementary school in Region 2 spent \$235.36 per student or just over \$43,000 for each of the 602 students accommodated. The median middle school cost \$45.85 million and housed 785 students. The median high school in the region cost \$58 million.



REGION 3 MEDIANS NEW SCHOOLS (DC, DE, MD, VA, WV)

	Elementary	Middle	High
\$/sq. ft.	\$236.67	\$198.07	\$224.47
\$/student	\$59,102	\$46,879	\$63,333
Sq. ft./student	252.6	233.7	200.0
Students	700	450	1,345
Size (sq. ft.)	79,500	92,500	300,000
Total cost (\$000	\$25,000	\$21,450	\$80,000

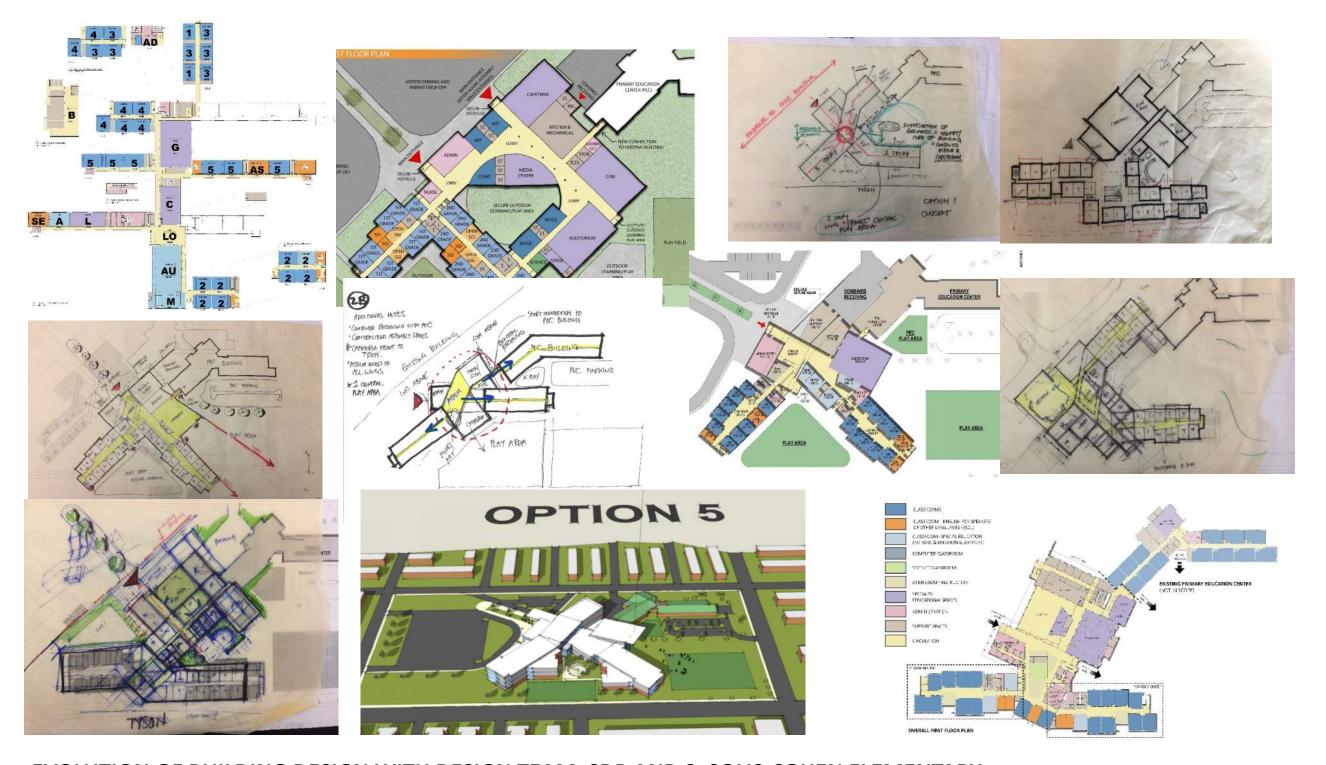
The median elementary school in Region 3 cost \$236.67 per square foot or \$59,102 for each of the 700 students accommodated. The median high school with 1,345 students was 300,000 square foot and cost \$80 million and provided 200 square foot per student.



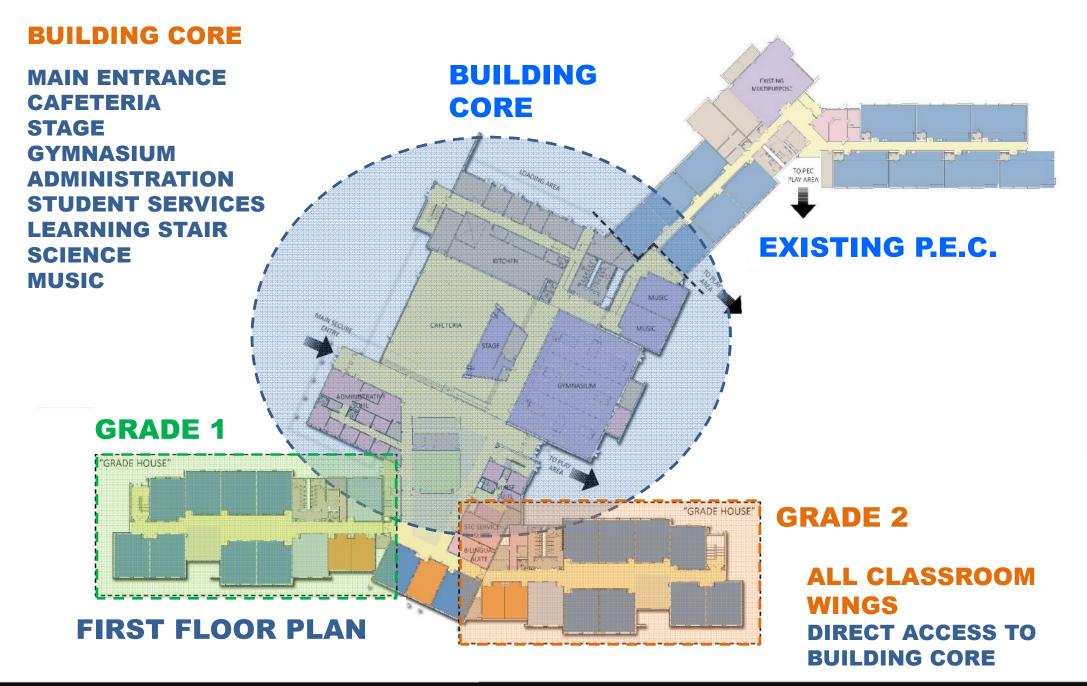
SCHOOL PLANNING AND MANAGEMENT

Solis-Cohen Elementary School 97-116 square feet/ student

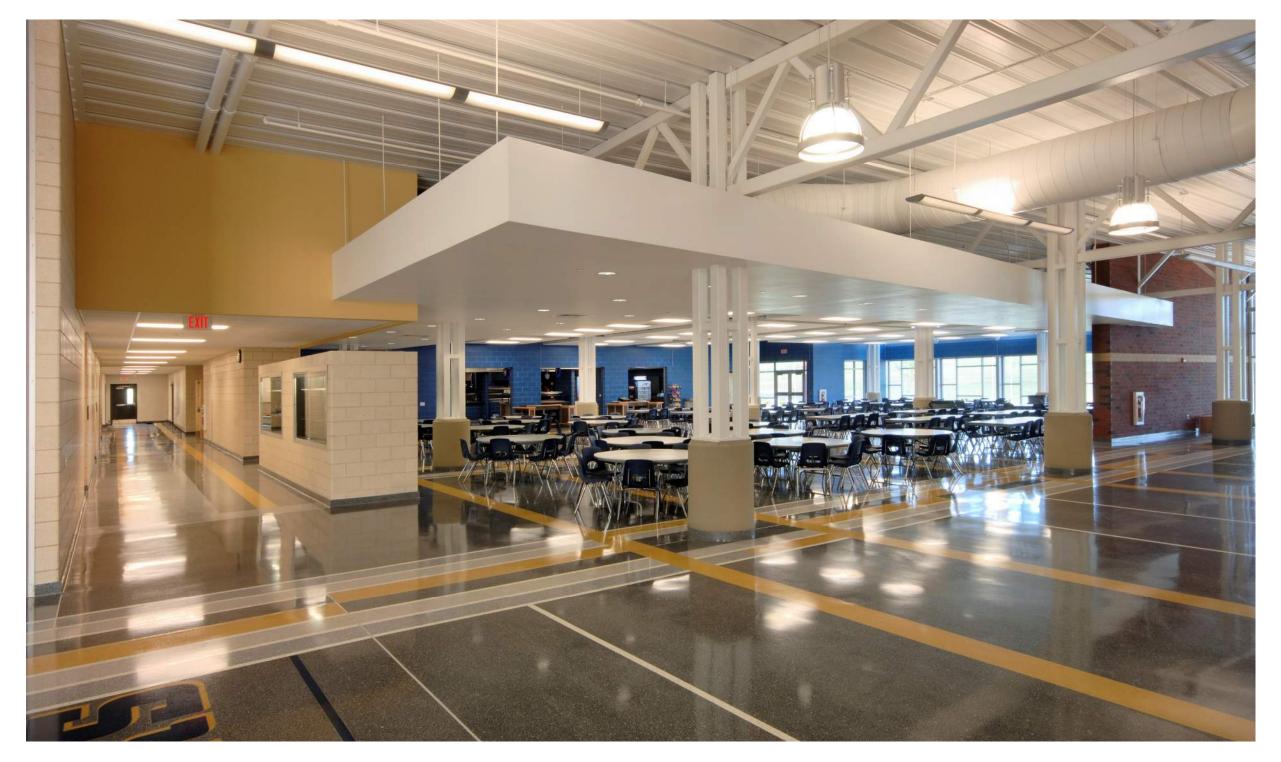




EVOLUTION OF BUILDING DESIGN WITH DESIGN TEAM, SDP AND S. SOLIS-COHEN ELEMENTARY



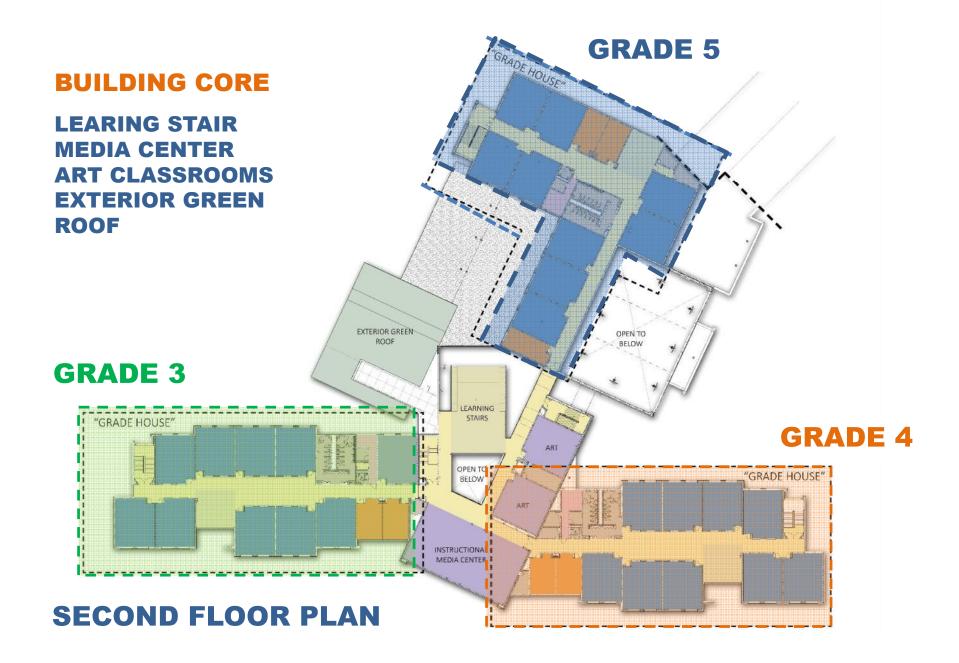


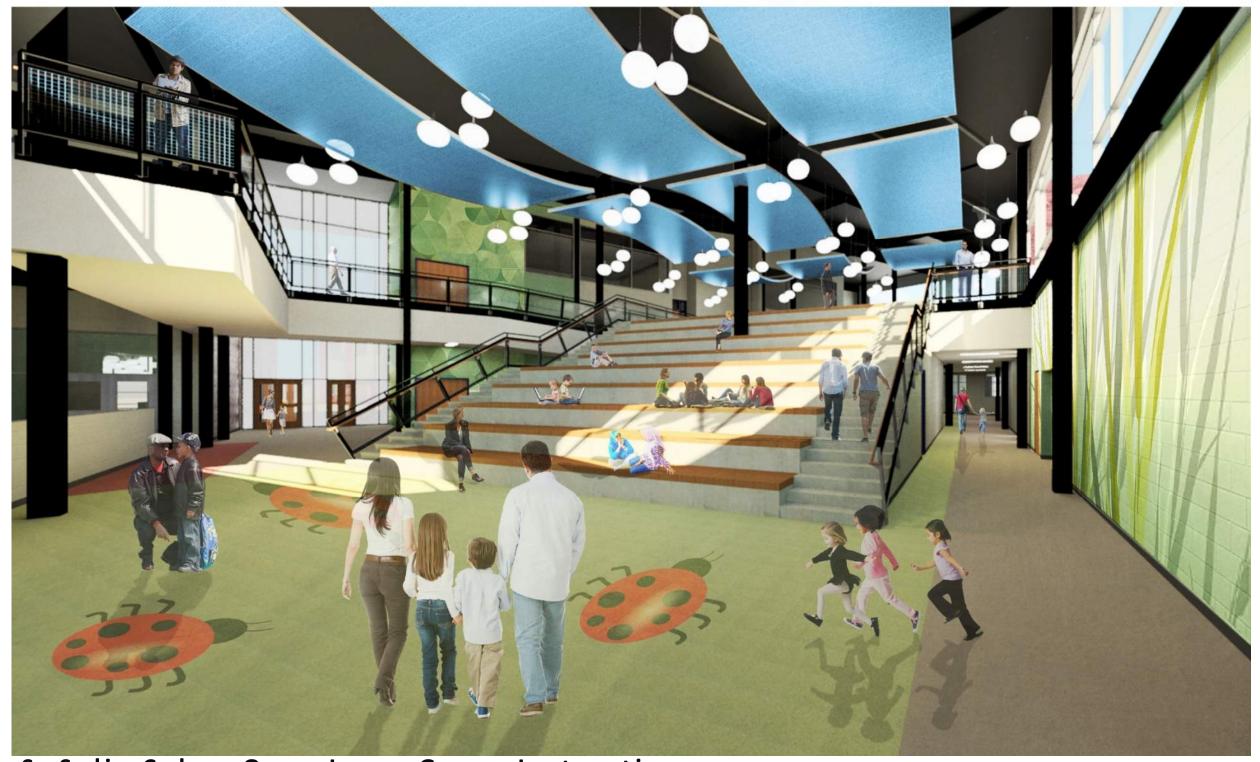


Middletown Middle School, 2007

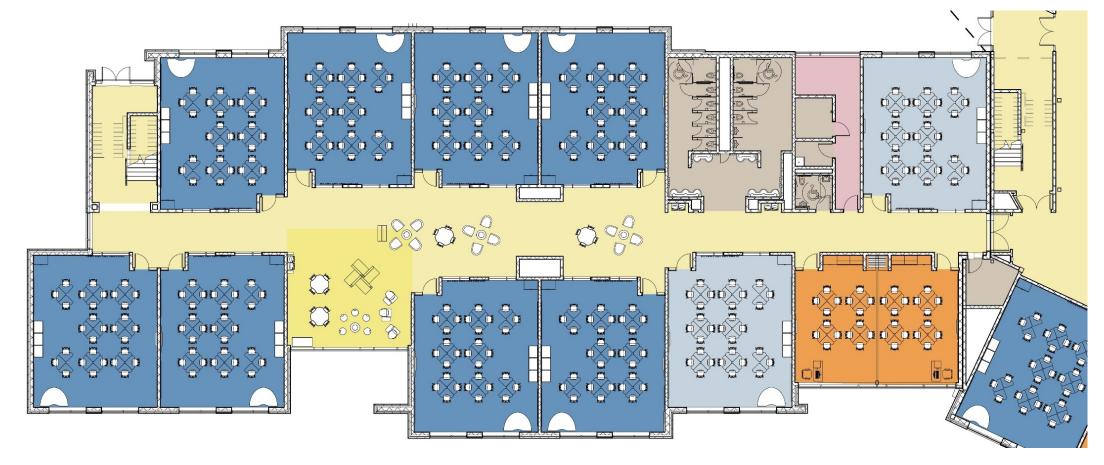


S. Solis-Cohen Open Cafetorium





S. Solis-Cohen Open Large Group Instruction



5 GRADE HOUSES

Each Grade House Includes

- 9 classrooms (Allowing overall scale of school to be brought down to a group of 240-280 students)
- Open Small Group Breakout Instructional Area
- 1 English Speaking other Languages Classroom
- Dedicated Storage & Restrooms
- Ability to secure entire classroom wing in the event of an emergency





ENTRANCE PLAZA (CLEAR SITE LINES & GATHERING SPACE)



2 STORY CLASSROOM WING ALIGNED WITH TYSON STREET & NEIGHBORHOOD



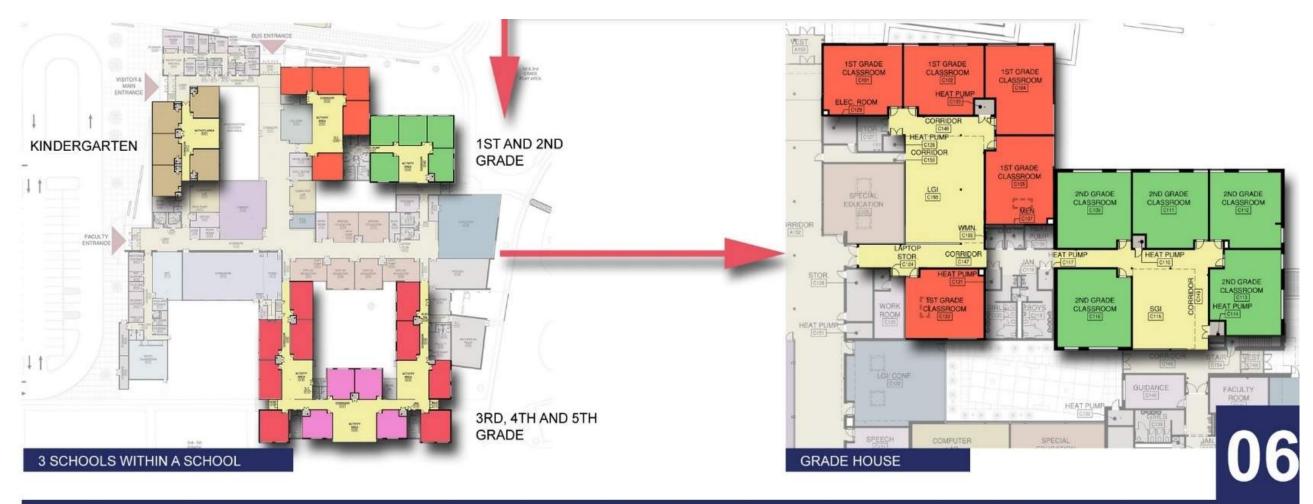


BUS DROP-OFF & FACULTY PARKING FROM HORROCKS STREET



TALK ABOUT YOUR MISTAKES

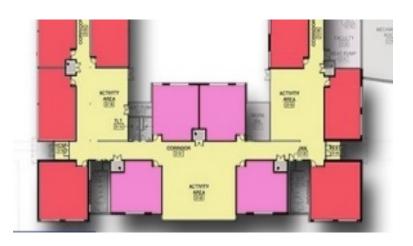


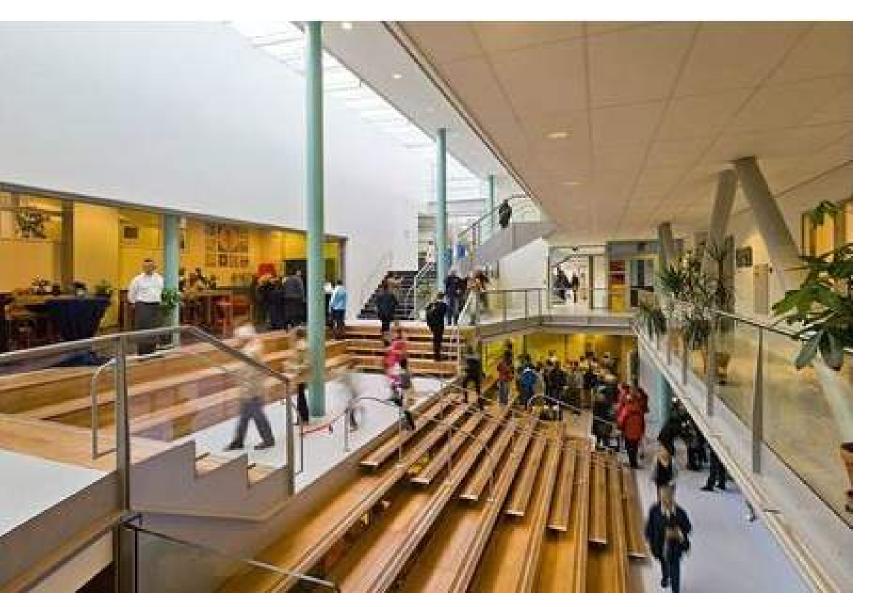


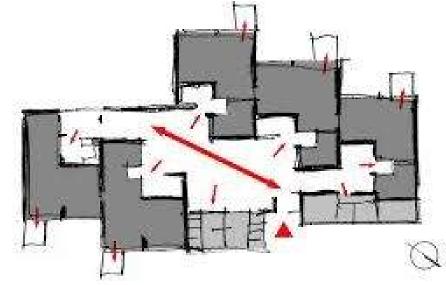
FOUR SCALES TO MIDDLEBURG ELEMENTARY SCHOOL



FURNITURE
VISUAL
CONNECTION TO
CLASSROOMS
VARIATION OF
SCALE









HERMAN HERTZBERGER- CEFPI LECTURE NYC 2012





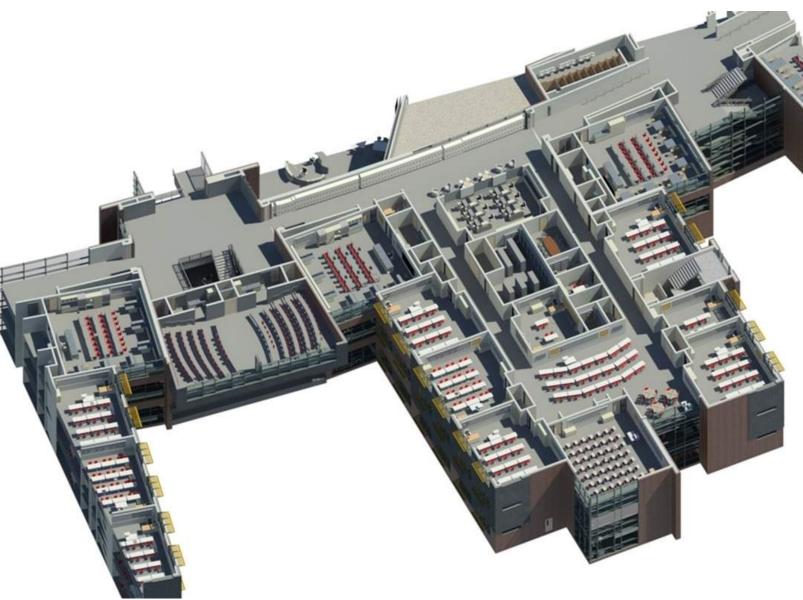






DOCUMENT EVOLUTION



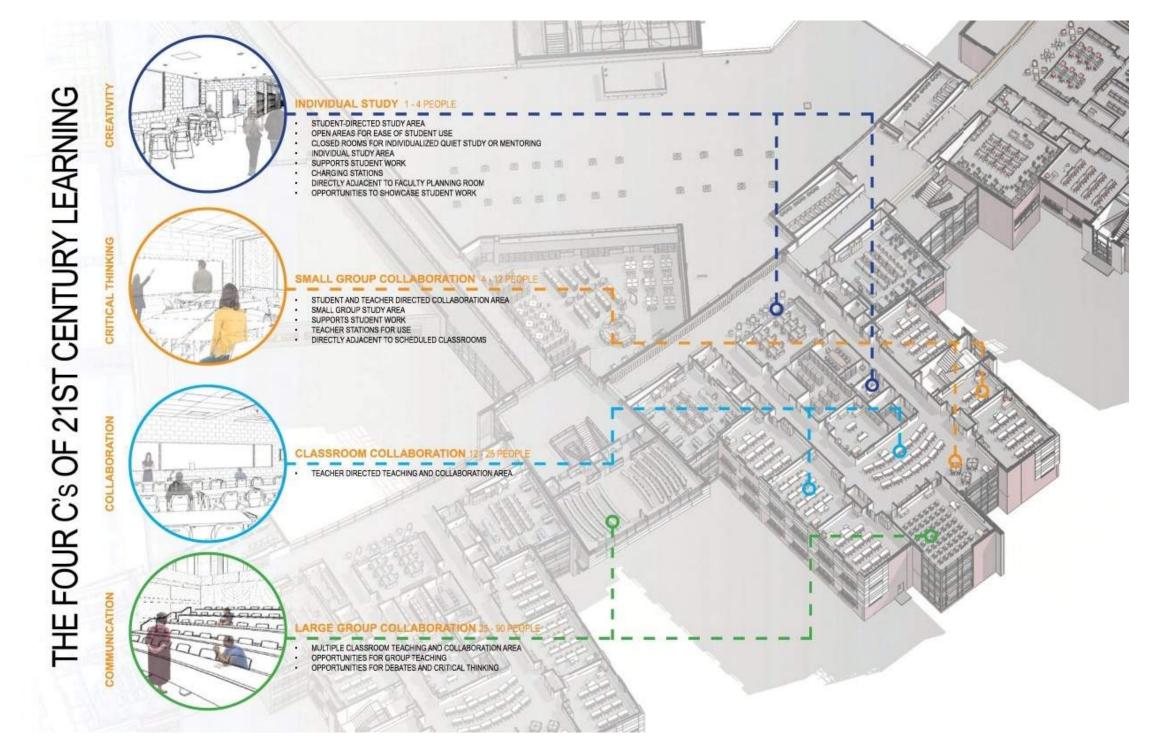


DOCUMENT EVOLUTION



Final layout of shared student zones within each classroom wing. Square footage of final spaces were reduced while maintaining open areas between classrooms for interaction, variations in student groupings & visual connection to classrooms.

DOCUMENT EVOLUTION







OFFICE OF CAPITAL PROGRAMS

THE SCHOOL DISTRICT OF PHILADELPHIA

Solomon Solis-Cohen Elementary School COMMUNITY MEETING



Join us for a project kickoff to introduce and present the design of the new school!

Monday, March 26, 2018 at 5:30 p.m.

7001 Horrocks St. Philadelphia, PA 19149







مكتب برامج الأساسيات منطقة فيلادلفيا التعليمية

مدرسة سولومون سوليس كوهين الابتدائية اجتماع المجتمع الاثنين 26 مارس 2018 الساعة 5:30 مساءا

جدول الأعمال

نظرة عامة للمشرو

• مقدمة لممثل منظمة المجتمع المسجلة (RCO) معدمة لممثل منظمة المجتمع المسجلة

• مقدمة من مدير البناء - Reynolds Building Solutions

• مقدمة مهندس التصميم المعماري - Associates Architects & Crabtree, Rohrbaugh

عرض التصميم..... جيف استروب Associates Architects & Crabtree, Rohrbaugh) Jeff Straub

• خطة الموقع وخطط الطوابق ، وجهات النظر في الشارع ومناظر الداخلية

البرنامج التعليمي

لبيئة الخارجية

الإستنامة

الجدول الزمني:

صميم

تصاريح تفسيم المناطق والبناء البناء

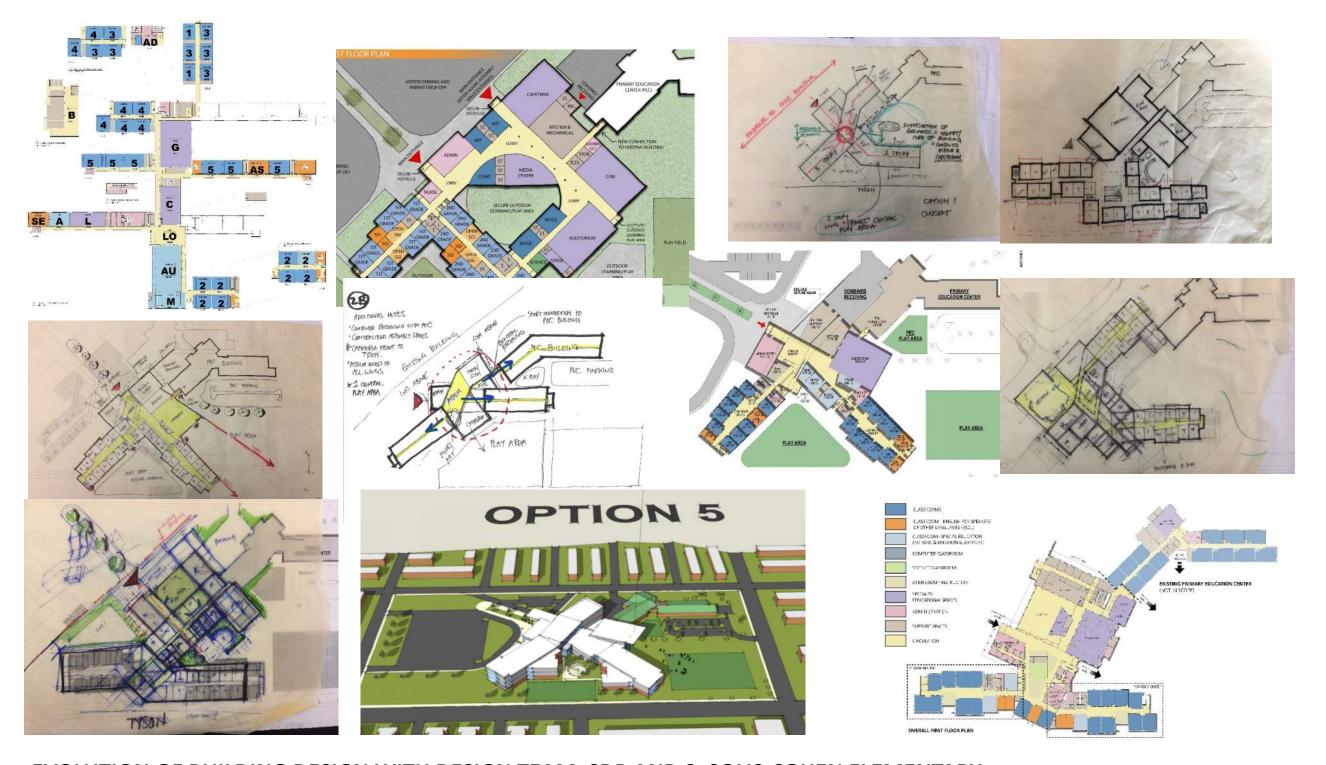
مراحل المشروع

• الإنزال و الالتقاط أثناء البناء

Translation & Interpretation Center (3/2018)

Solis Cohen Project Agenda (Arabic)

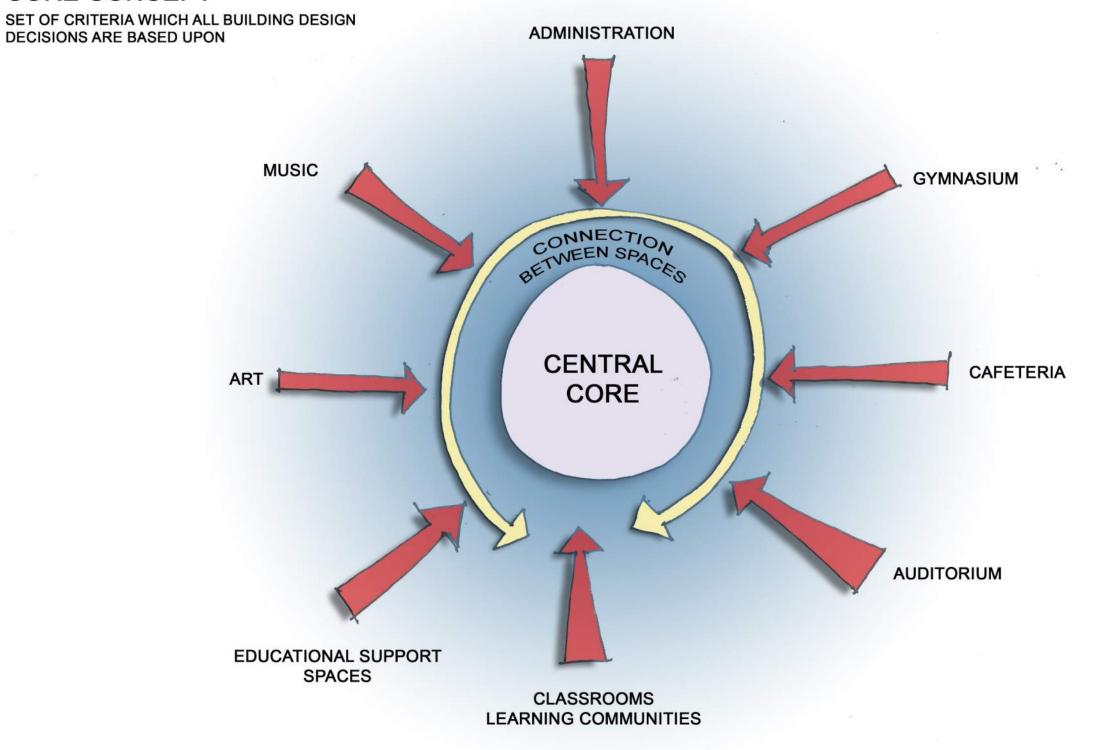


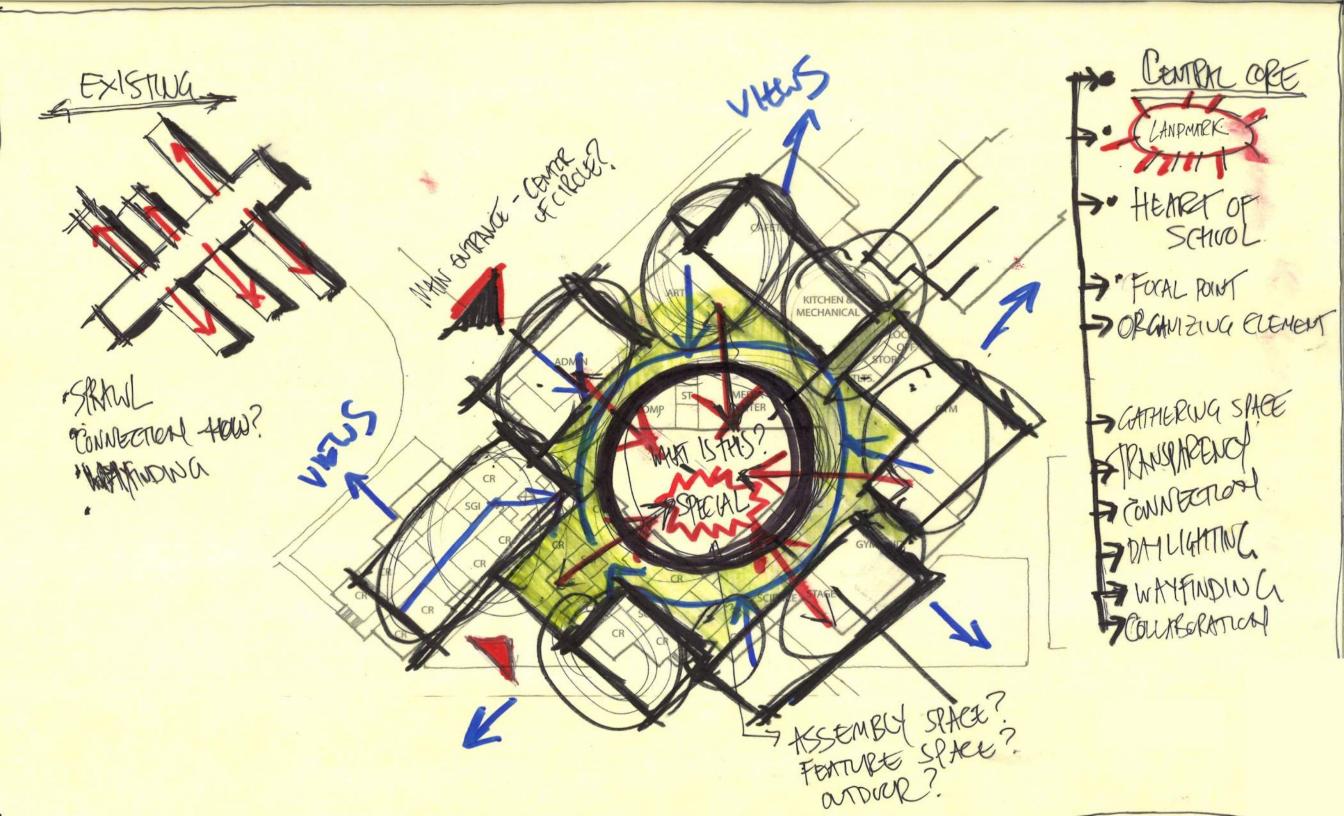


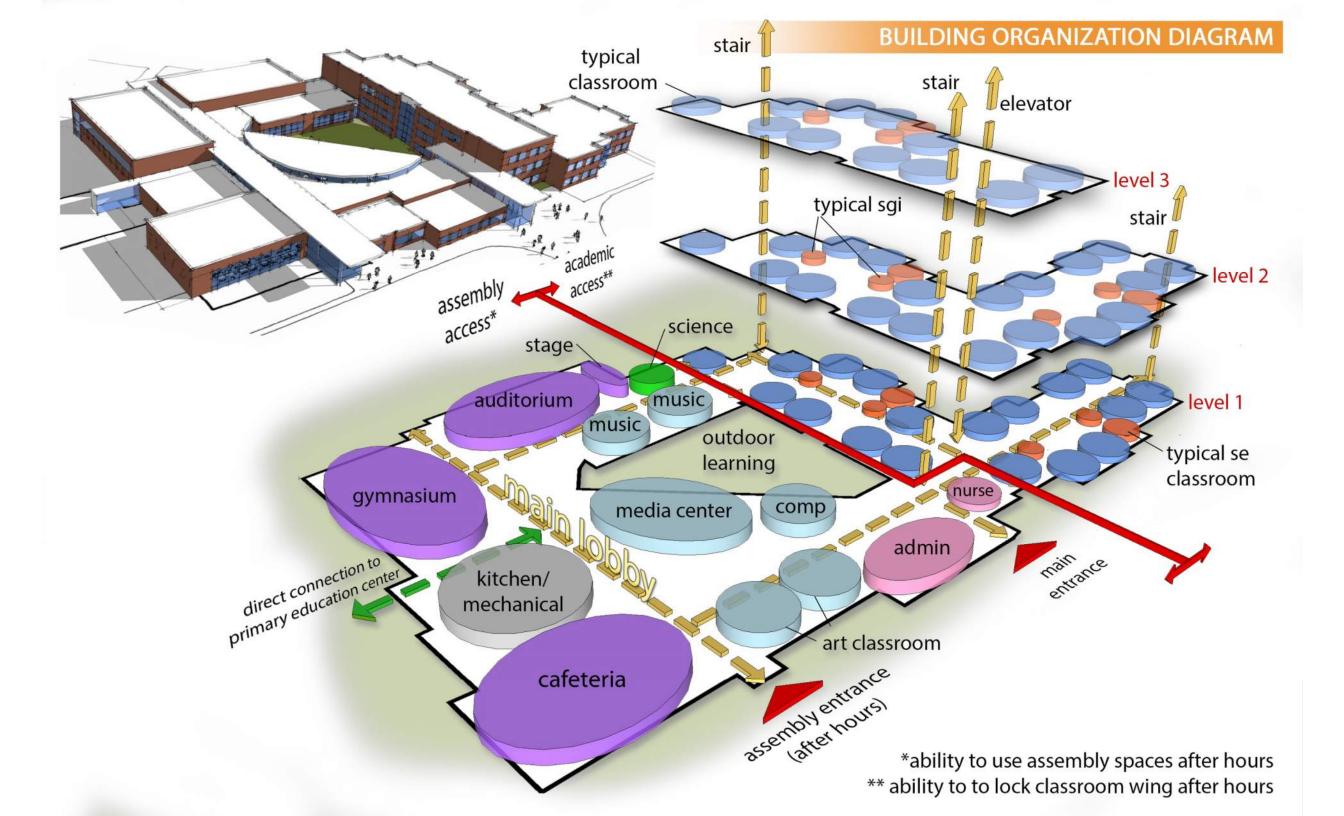
EVOLUTION OF BUILDING DESIGN WITH DESIGN TEAM, SDP AND S. SOLIS-COHEN ELEMENTARY



CORE CONCEPT







PROJECT PARADIGMS

- · CAPETORIUM
 - DIPECT ACCESS TO PLAY MEEA
 - PEDICATED SPACE (US BEING IN ATRIUM)
- CANNOT BUILD OVER

 GRISTING PLAY AREA

 -SITE MITIGATION

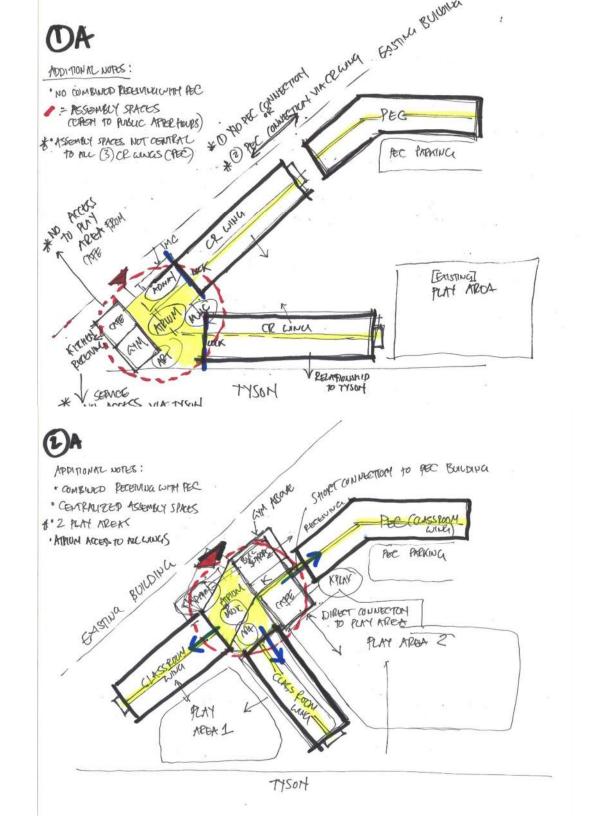
 -NO VEHICLER ENTRY

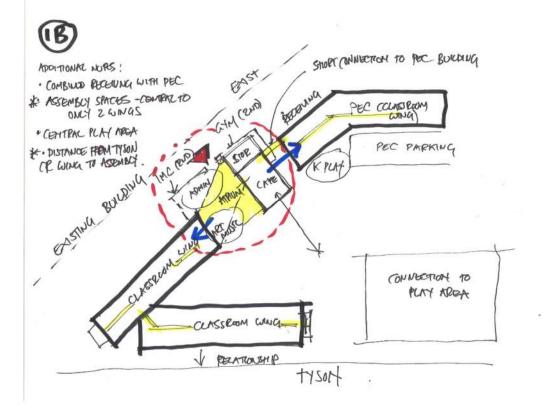
· PHYSING OF ENSTRUG BUILDING

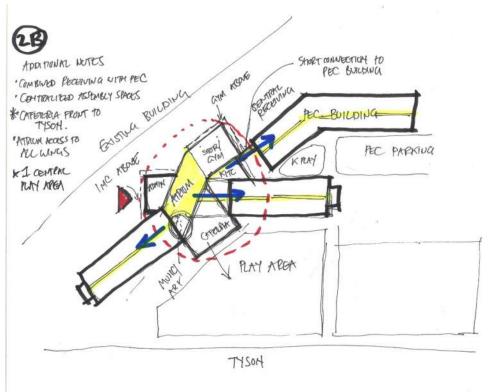
- · ADJACIENCY OF KHICHEN TO CATEDRIUM
- · ADJACONCY OF PECHIVING TO KITCHEN
 - LOCATION OF KHICHEMI PECCULUNG ECHTERORIUM
 HAS TO BE CLOSE TO PEC PECCEVING (CENTER PECETULUG)
- · CONNECTION to PEC
 - PAILY USE BY STUDENTS TEACHERS
 - STYNELD USE OF SPACES.
 - STORT PISTALLE SPP)
- · PEC ACTS AS CLASS POOM WING

- * MINIMIZE BUILDING FOOTPRINT ON SITE TO MAXIMIZE GREAT SPACE/ PARKING
- · DIRECT ACCUSS to ALL CLASSIFION WINGS FROM ASSEMBLY SPACES.

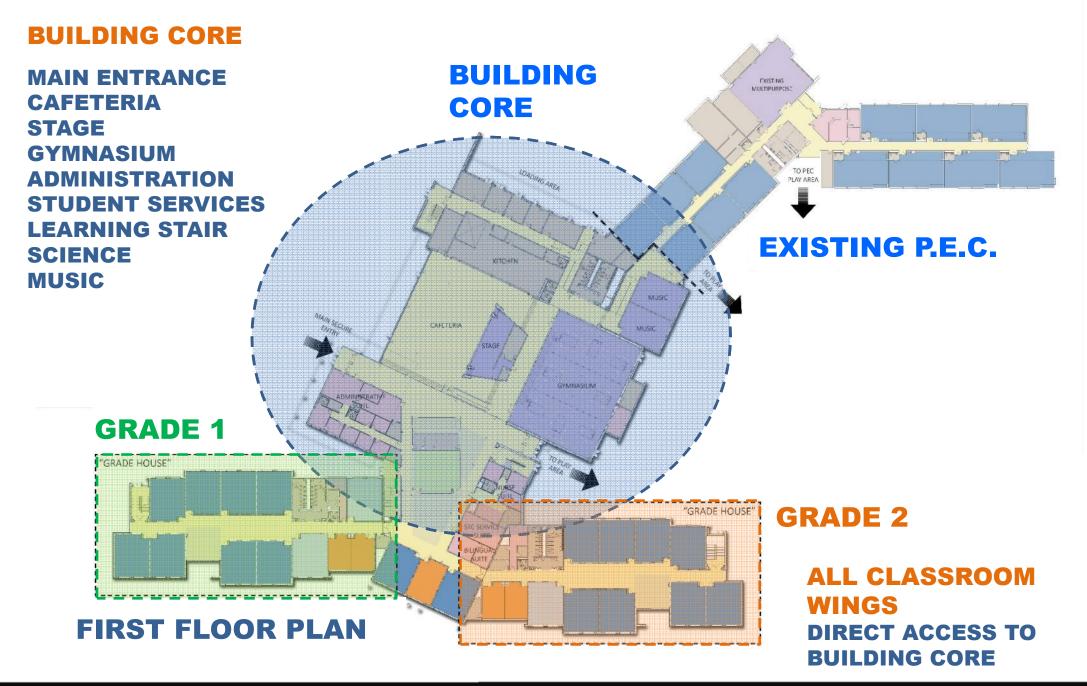
 HUB CPOINT WALK THROUGH CLASSIFIEM WING ETC.) CPEC CREWATION)
- · NO VAHICULAR ACCESS FROM TYSOM & BUSTLETON







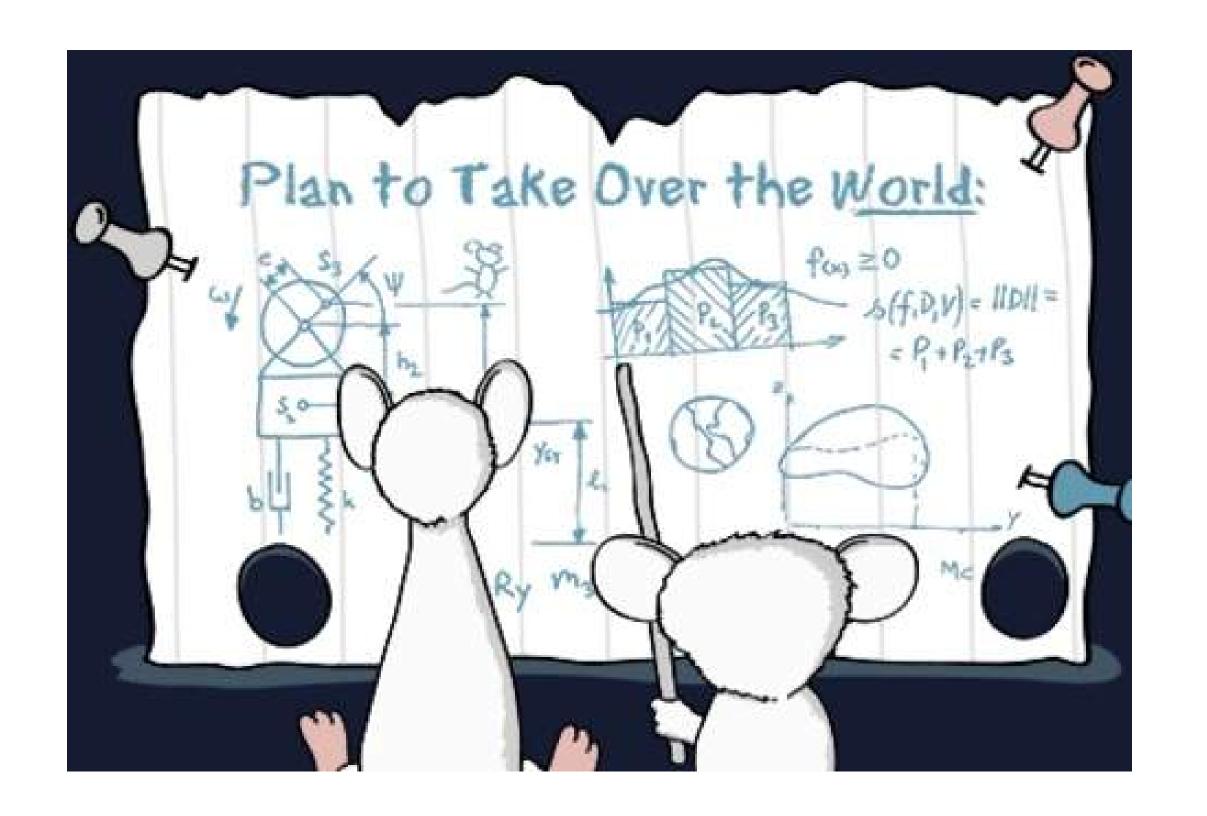








PROJECT SCHEDULE



DESIGN AND COMMUNITY ENGAGEMENT

	2017									2018						
TASKS	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Ju		
EDUCATIONAL PROGRAM	Discove	ery	Visioning					Verification								
DESIGN	Schem	atic Design	gn Design Development				Constr	uction		Final	====== _}÷====≥	1				
SI ISTAINARII ITV	Site		Fne	erav	Fn	/iornn	nental	De	sign Pha	92		\				

voluntura vono vonon montentary vonovi

Solomon Solis Cohen Elementary School DESIGN AND COMMUNITY ENGAGEMENT

REGULATORY REVIEWS & APPROVALS

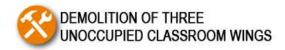
	2017									2018					
TASKS	2017 Cet Nov Dec 10									2018					
TASKS	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jt	
ZONING SUBMISSIONS EDUCATIONAL PROGRAM COMMUNITY MEETINGS	Discove	Street	ts 1	Landscape Visioni	-	reets 2	Ver	ification							
SRC APPROVAL CI ICTAINARII ITY	Schem	natic Desig		78.7	velopmen Kamps Fr	viornm	Constr		sign Phas	Final	ıst 2020				



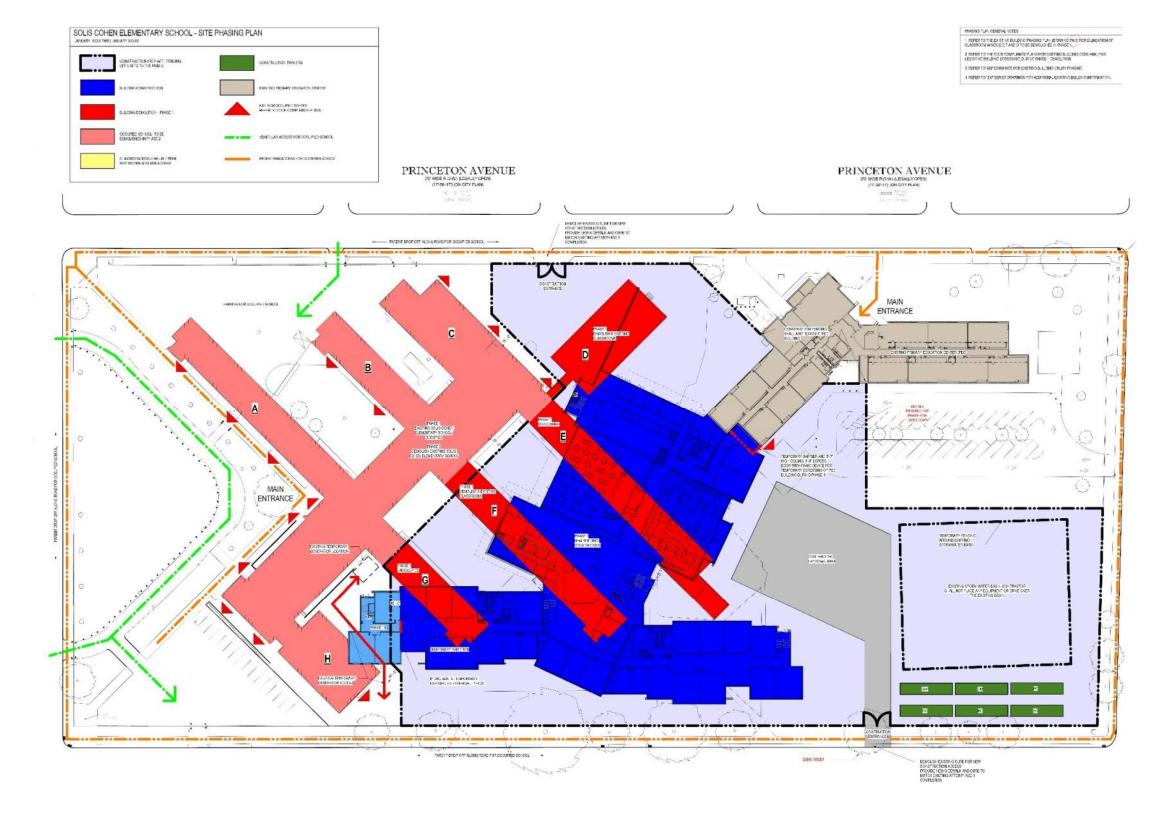


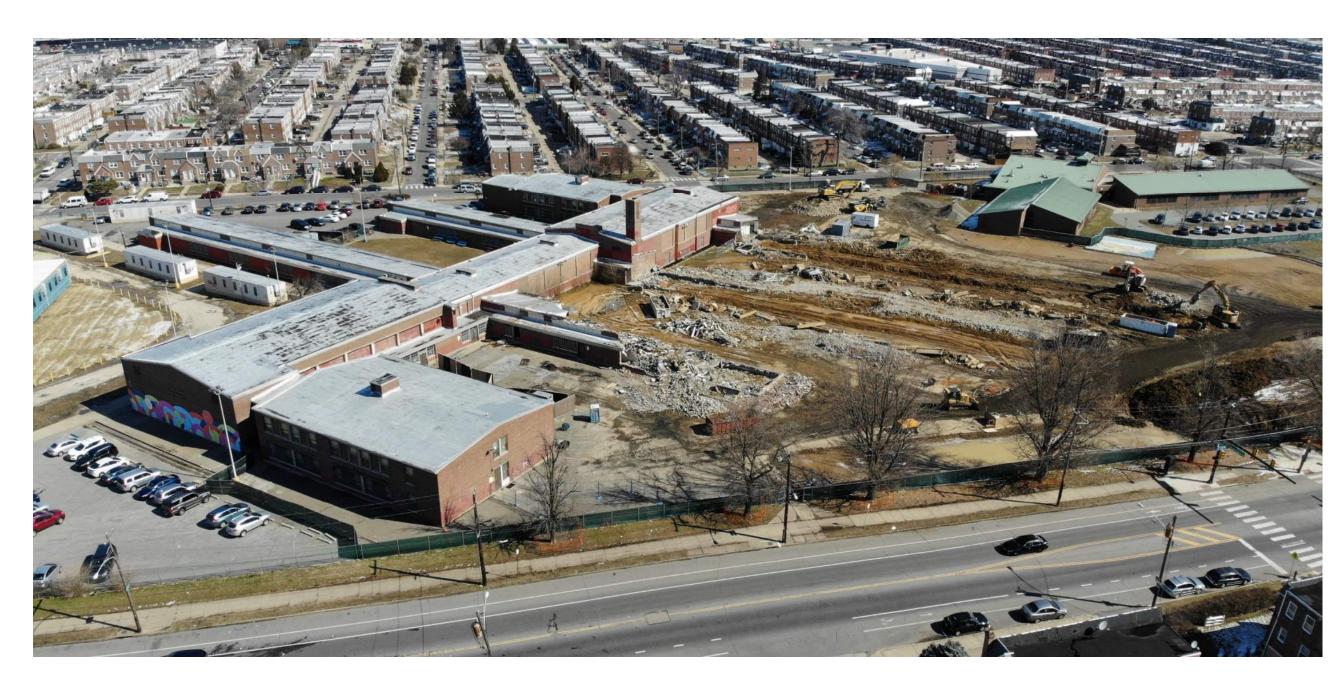






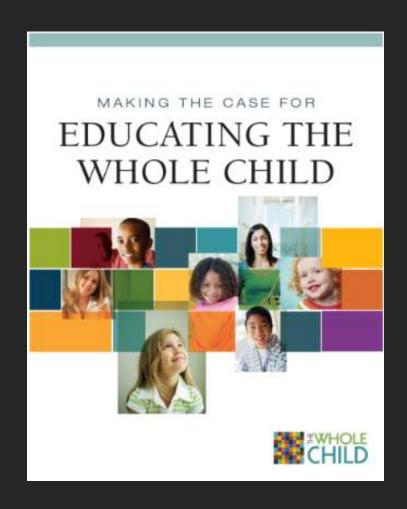






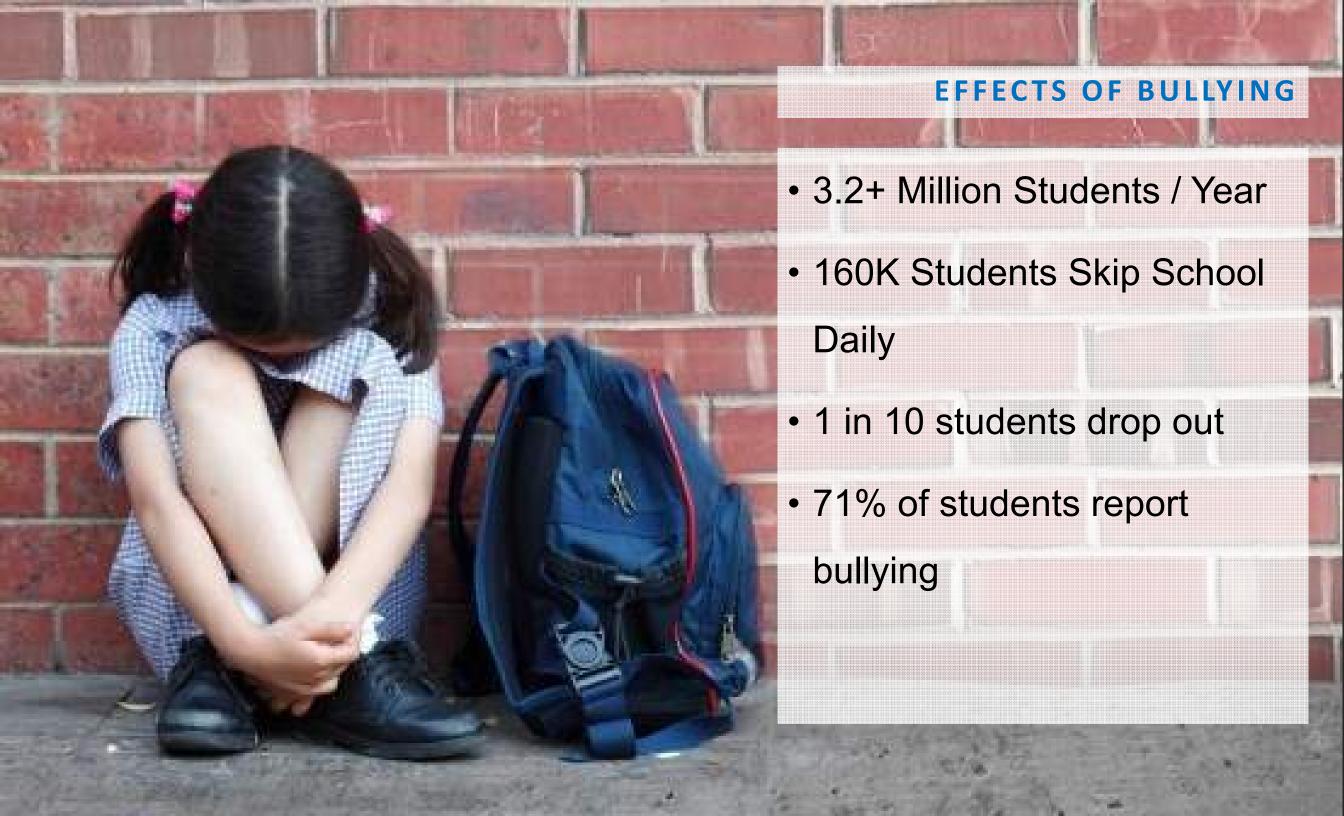
SAFETY & SECURITY

SAFETY AND SECURITY



"Feeling safe at school translates into higher academic achievement, increased student well being, and greater engagement. Children who don't feel safe can't concentrate on their studies, don't connect with their classmates, or don't go to school at all."

Educating the whole Child, ASCD 2012





SCHOOL CLIMATE ISSUES

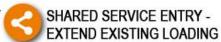
- Bullying, intimidation, and isolation
- Harassment and prejudice
- Social cliques
- Theft and graffiti
- Lack of connectedness
- Disrespect between teachers/staff and students
- Lack of student reporting of crime



SAFETY AND SECURITY

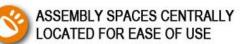
- Positive school climate and atmosphere
- Clear and high academic and disciplinary expectations of students
- Strong student attachment to the school
- High levels of both student participation and parent involvement
- Values and practices that make everyone feel included; appreciation of diversity

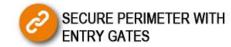














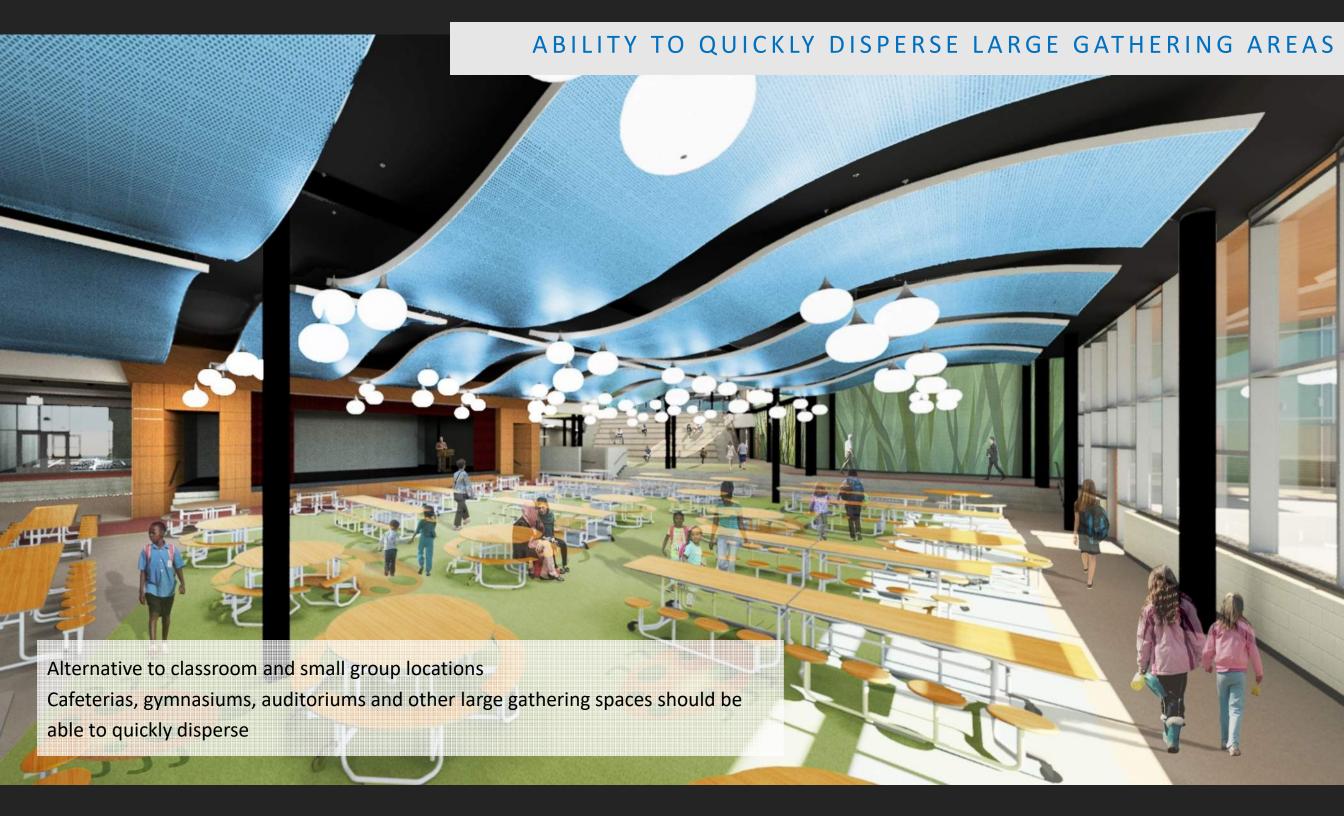




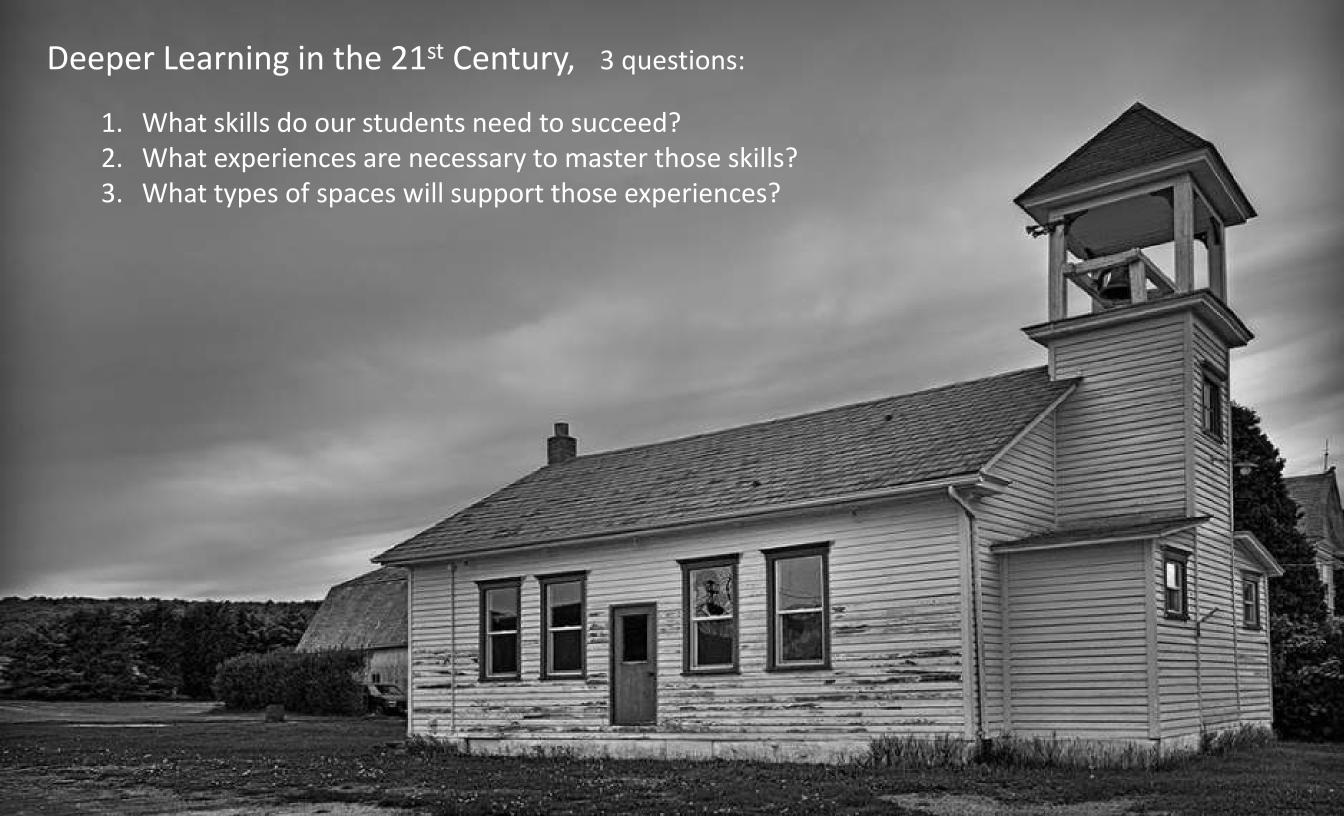




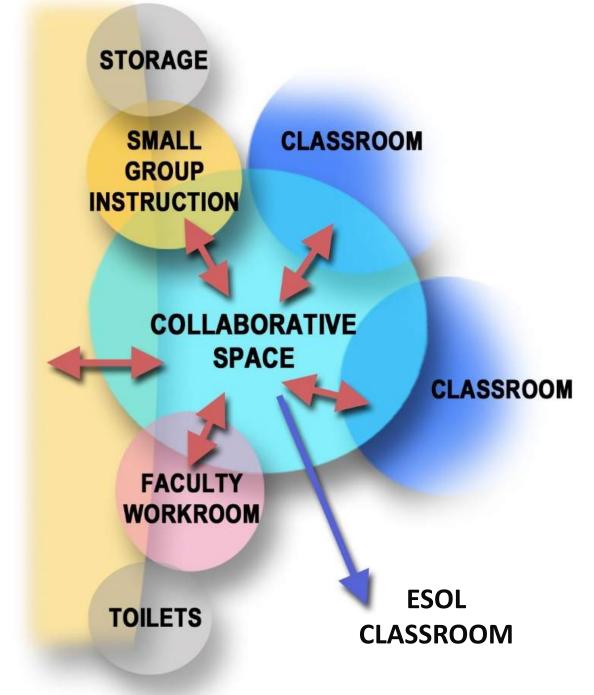




WHAT IS A CLASSROOM TODAY







BREAKDOWN OF CLASSROOM WING SUPPORT SPACES

ENVIRONMENT TO ENHANCE SKILLS USED BY TODAY'S LEARNERS

1st TIER

- Collaboration and teamwork
- Creativity and imagination
- Critical thinking
- Problem solving

2nd TIER

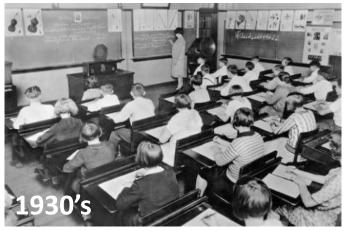
- Flexibility and adaptability
- Global and cultural awareness
- Information literacy
- Leadership

Hanover Research

- SIMILAR CLASSROOMS CLOSE TOGETHER
- CIRCULATION AROUND GYM SHOULD BE MORE EFFICIENT
- DREARY HALLWAYS, TOO SMALL
- AUXILIARY GYM/INDOOR SPORTS IMPROVED
- INTERSECTIONS CAFETERIA
- AUDITORIUM ACOUSTICS/CAPACITY
- COLLABORATIVE SPACE - MUSIC PRACTICE MODULES - TOO SMALL
- EASIER ACCESS TO AUDITORIUM FROM MUSIC
- -CLASSROOMS
- -COURTYARD USE EXTERIOR SPACES
- SPORTS FACILITIES











2020's ??????

21ST CENTURY LEARNING

The industrial age factory model

- Information is rare
- Limited technology
- Teacher centric
- Learn in classroom
- Focus on 3 R's
- Passive learning
- Conformity expected
- Assertive assessment
- Curriculum fragmented

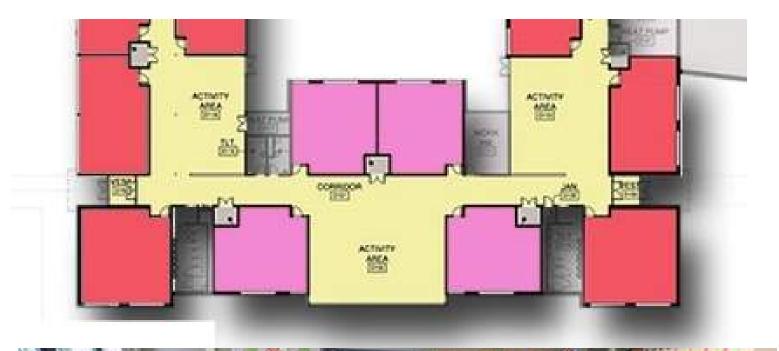




Alexa, What will Schools be in the future?





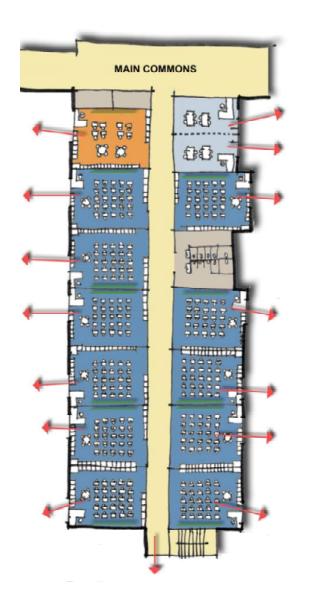


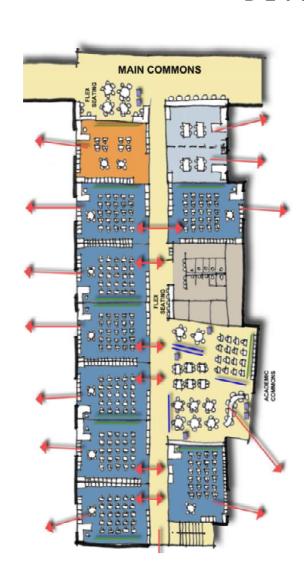


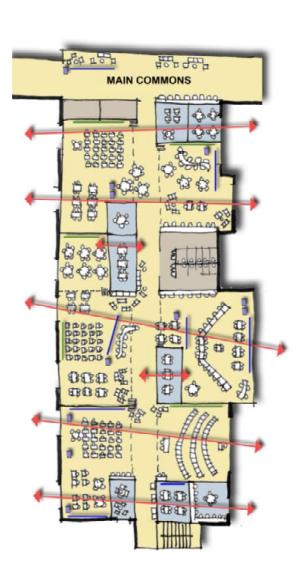
The innovation age model

- Information is a commodity
- Ubiquitous technology
- Student centric
- Learn anywhere
- Develop 4 C's
- Active learning
- Individuality celebrated
- Demonstrative assessment
- Curriculum integrated

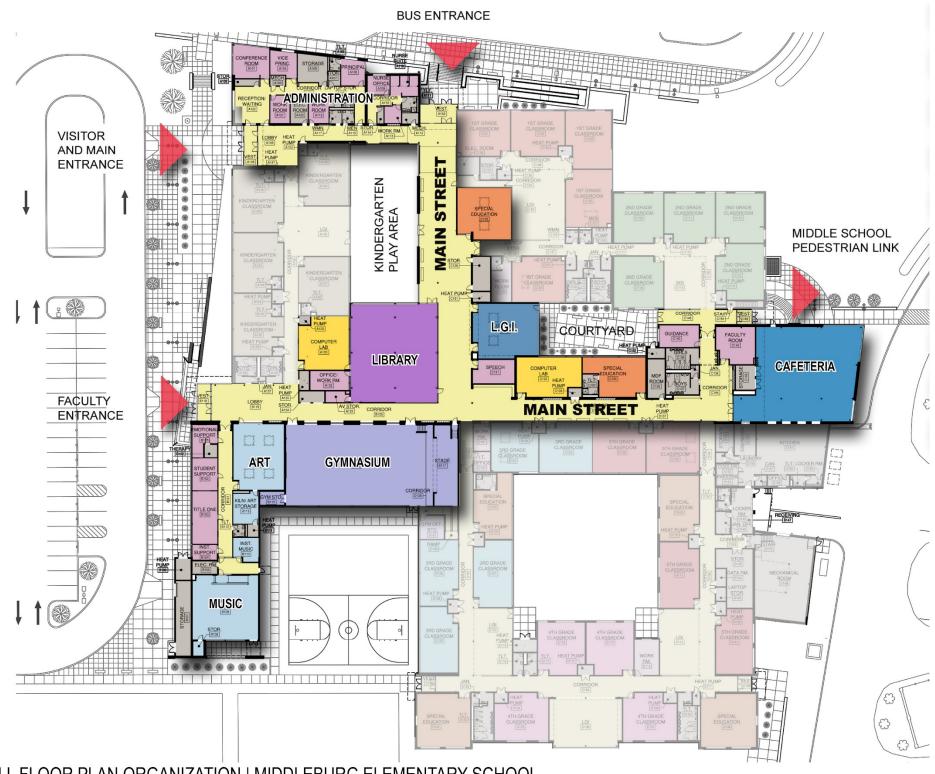
EARLY STUDY CLASSROOM WING STUDY DEVIATIONS FROM ORIGINAL PROGRAM



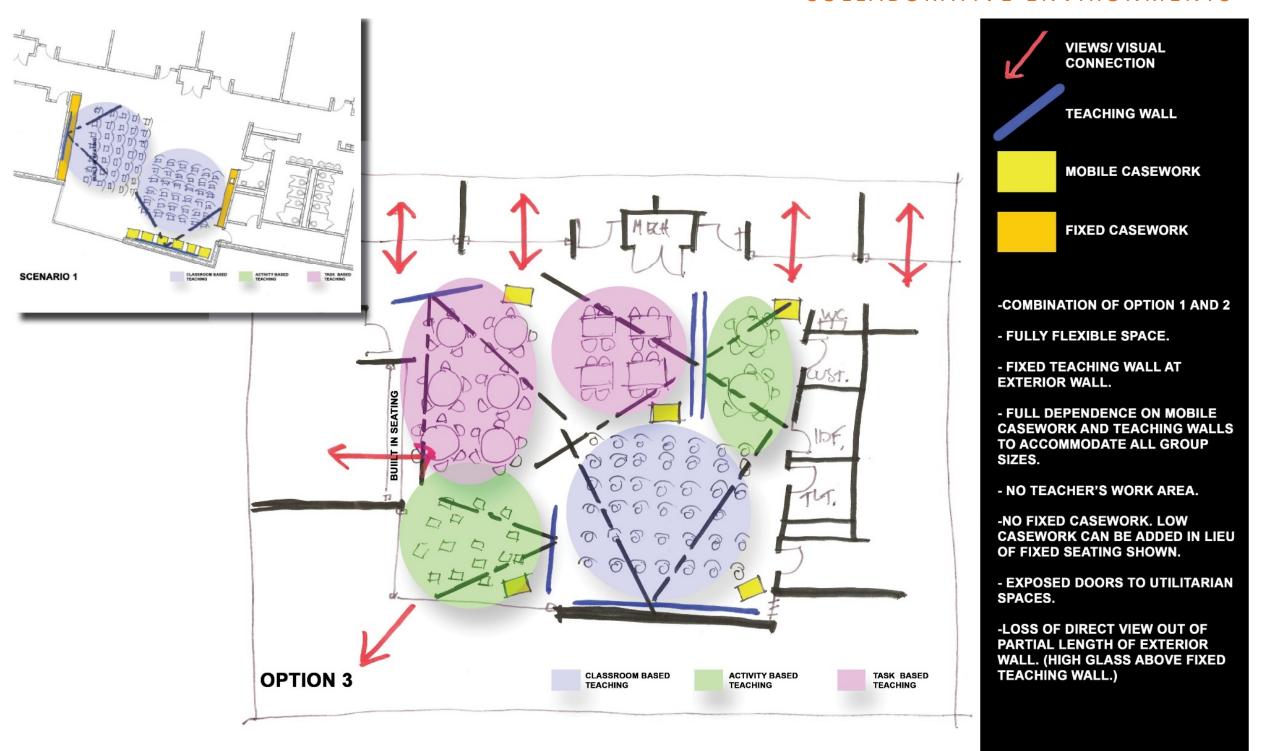


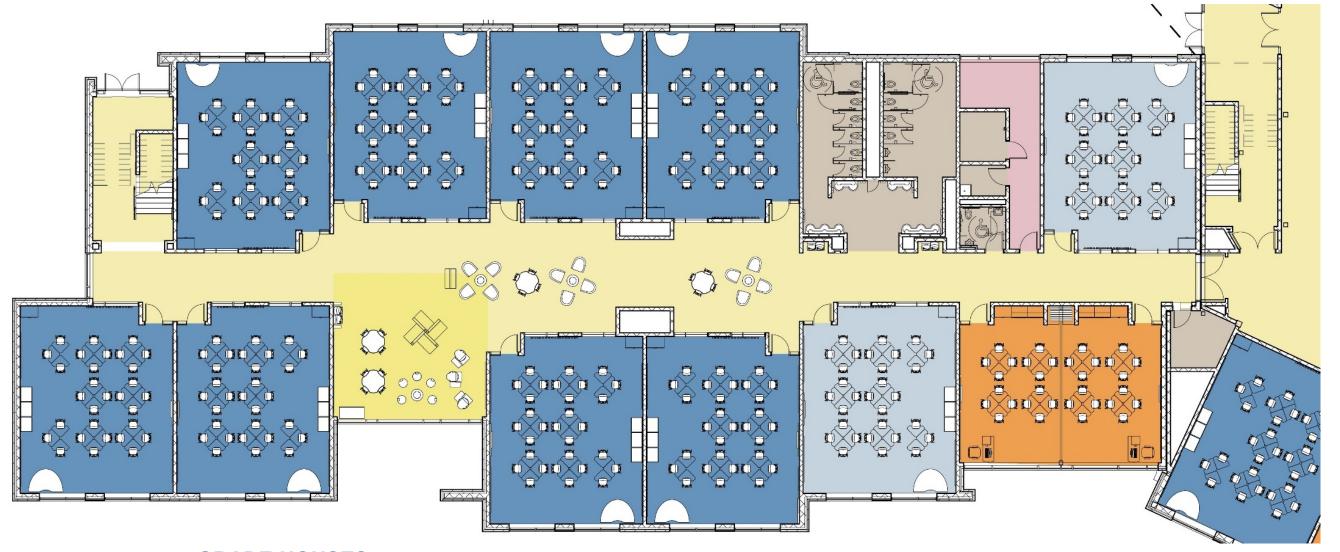


WHAT IS YOUR SCHOOL COMMUNITY COMFORTABLE ENGAGING?



COLLABORATIVE ENVIRONMENTS





5 GRADE HOUSES

Each Grade House Includes

- 9 classrooms (Allowing overall school to be brought down to 240-280 students)
- Open Small Group Breakout Instructional Area
- 1 English Speaking other Languages Classroom
- Dedicated Storage & Restrooms
- Ability to secure entire classroom wing in the event of an emergency

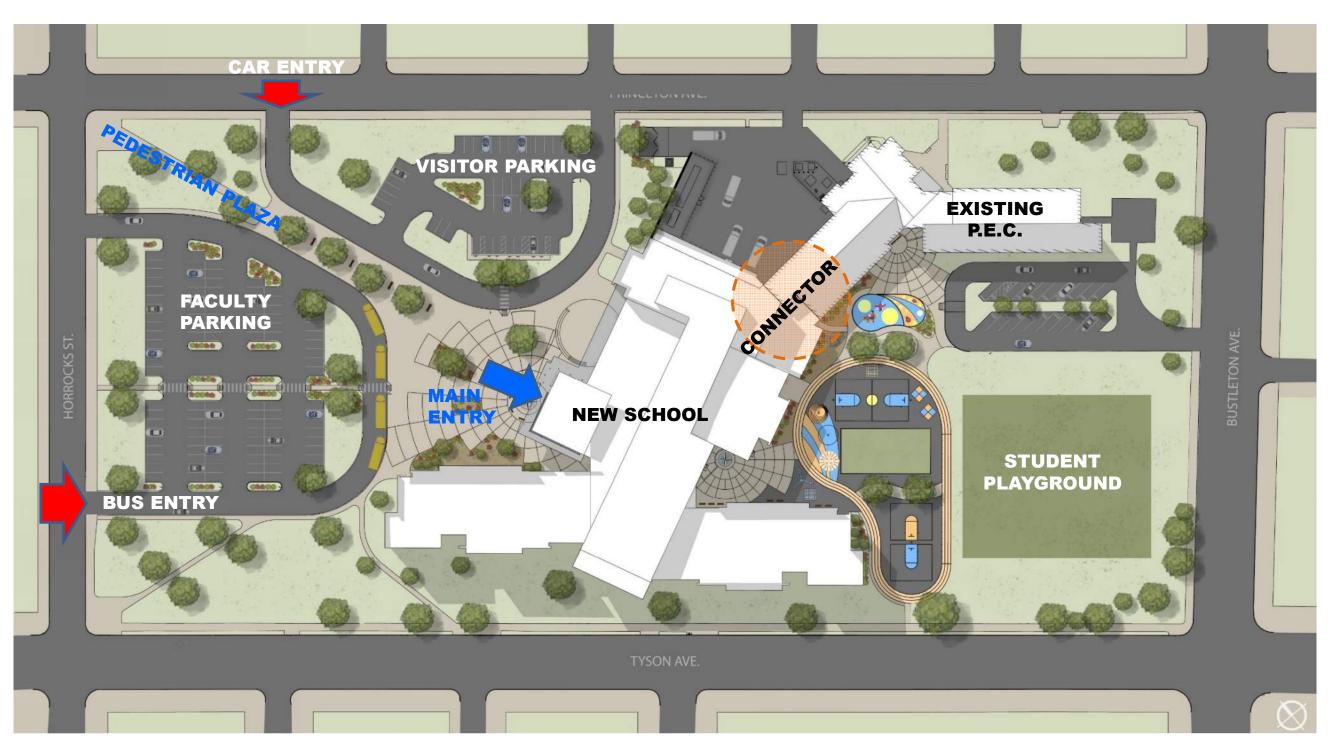


5 GRADE HOUSES

Each Grade House Includes

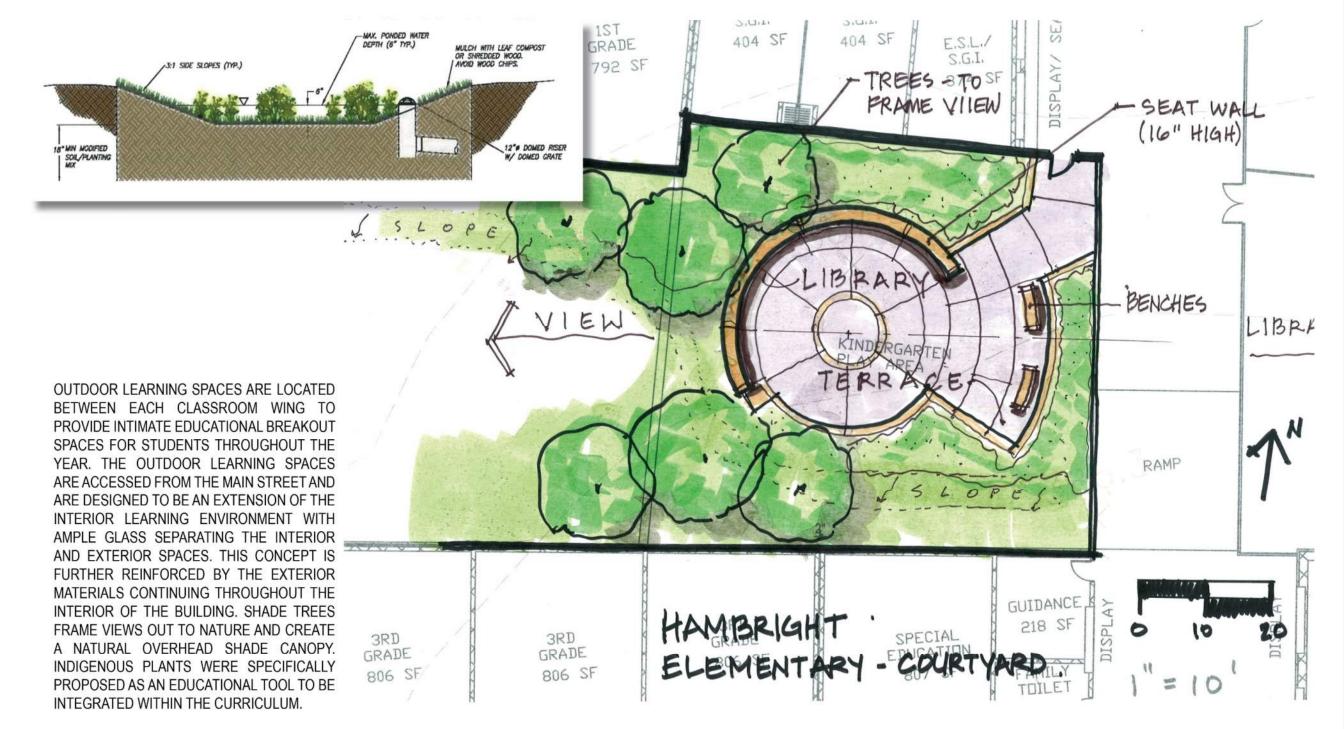
- 9 classrooms (Allowing overall school to be brought down to 240-280 students)
- Open Small Group Breakout Instructional Area
- 1 English Speaking other Languages Classroom
- Dedicated Storage & Restrooms
- Ability to secure entire classroom wing in the event of an emergency

SITE DESIGN





Images shared with Design Team of recent School District of Philadelphia Outdoor Projects.



OUTDOOR LEARNING

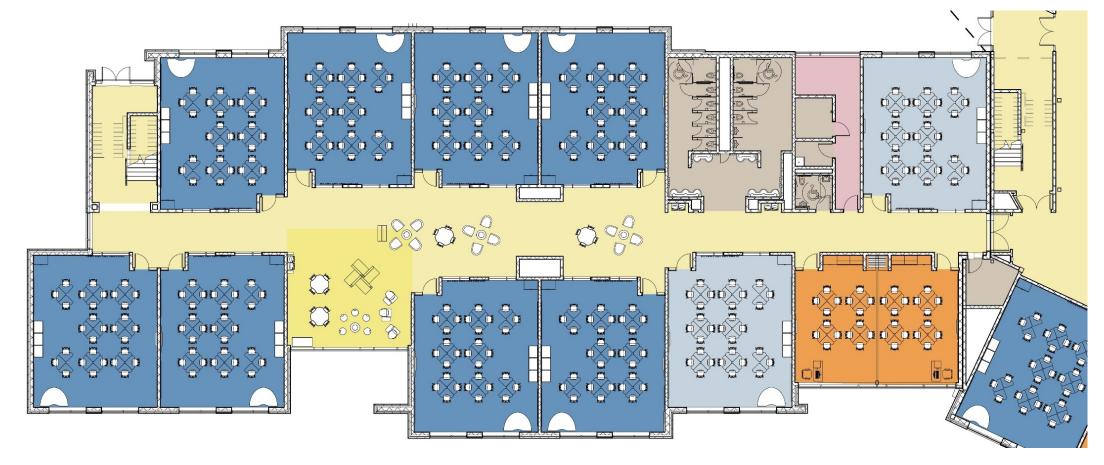






MIXTURE OF VARIED PLAY AND GATHERING AREAS FOR STUDENTS ABLE TO HOLD STUDENT BODY Images shared with Design Team of recent School District of Philadelphia Outdoor Projects.





5 GRADE HOUSES

Each Grade House Includes

- 9 classrooms (Allowing overall scale of school to be brought down to a group of 240-280 students)
- Open Small Group Breakout Instructional Area
- 1 English Speaking other Languages Classroom
- Dedicated Storage & Restrooms
- Ability to secure entire classroom wing in the event of an emergency

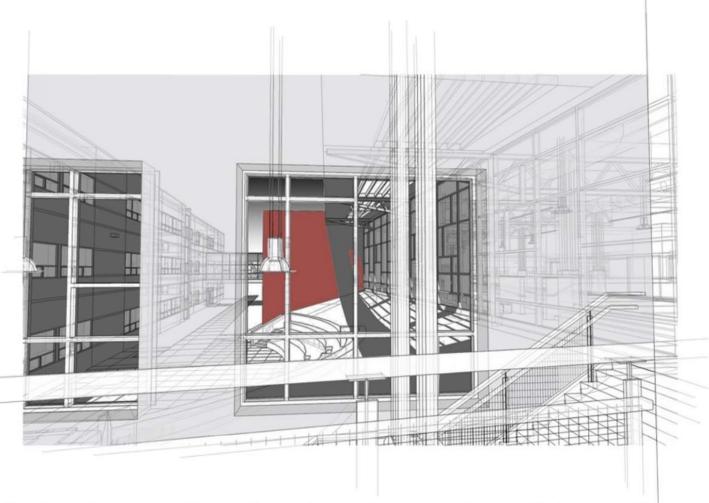


Pinky... Tonight we take over the World... But First COFFEE!!!

SHARE OUR EXPERIENCES BEYOND THE EDUCATION DESIGN COMMUNITY

NSBA, PASBO, ASBO, AIA, USGBC School Districts, Divisions, LEA's Community Members Legislators (Local, State, Federal) Anyone Willing to Listen

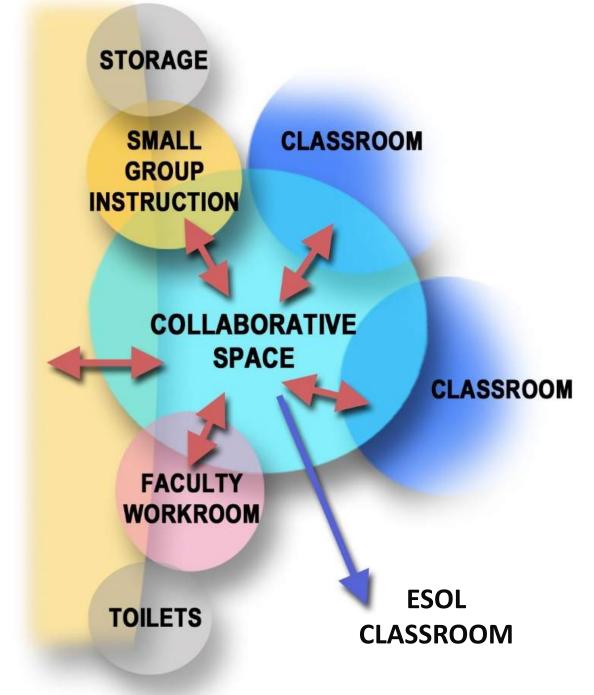




We live for the most part in closed rooms. These form the environment from which our culture grows. Our culture is to a certain extent the product of our architecture. If we want our culture to rise to a higher level, we are obliged, for better or for worse, to change our architecture. And this only becomes possible if we take away the closed character from the rooms in which we live.

WE SPEND 87% OF OUR DAY INDOORS.

US Environmental Protection Agency National Human Activity Pattern Survey (NHAPS)



BREAKDOWN OF CLASSROOM WING SUPPORT SPACES

ENVIRONMENT TO ENHANCE SKILLS USED BY TODAY'S LEARNERS

1st TIER

- Collaboration and teamwork
- Creativity and imagination
- Critical thinking
- Problem solving

2nd TIER

- Flexibility and adaptability
- Global and cultural awareness
- Information literacy
- Leadership

Hanover Research



