September 22, 2018

PUBLIC SCHOOLS of BROOKLINE

ENVISIONING THE RENOVATED AND EXPANDED DRISCOLL SCHOOL

newvistadesign

Jonathan Levi Architects

The Visioning Process

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Connecting Design to the Brookline Ed Plan

- Learning is ubiquitous – extending beyond the classroom
- Information available through both teacher and technology access
- 4 C's of Critical Thinking, Communication, Collaboration and Creativity
- Intelligence and talent expressed in a variety of ways:
  - Applying knowledge
  - Creating products
  - Solving complex problems
  - Systems thinking
  - Design and testing
  - Knowing how to learn

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Connecting Design to the PSB Strategic Plan

Goal 1: Every Student Achieving

Ensure that every student meets or exceeds Brookline's high standards and eliminate persistent gaps in student achievement by establishing educational equity across all classrooms, schools, and programs.

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Connecting Design to the PSB Strategic Plan

Goal 1: Every Student Achieving

Goal 2: Every Student Invested in Learning

Increase every student's ownership of individual learning and achievement by using rigor, relevance, and relationships to foster a spirit of inquiry and the joy of learning.

Connecting Design to the PSB Strategic Plan

Goal 1: Every Student Achieving

Goal 2: Every Student Invested in Learning

Goal 3: Every student prepared for Change and Challenge

Instill in every student the habits of mind and life strategies critical for success in meeting the intellectual, civic, and social demands of life in a diverse, every-changing global environment

Connecting Design to the PSB Strategic Plan

Goal 1: Every Student Achieving

Goal 2: Every Student Invested in Learning

Goal 3: Every student prepared for Change and Challenge

Goal 4: Every Educator Growing Professionally

Foster dynamic professional learning communities that inspire inquiry, reflection, collaboration, and innovation, and use data to improve teaching, advance student learning, and refine the programs and practices of the Public Schools of Brookline

Focus on "Future Ready Skills"

Focus on Learning AND Teaching

- High-Performance Work Environments
- Varied and Collaborative
- Lifelong Learning

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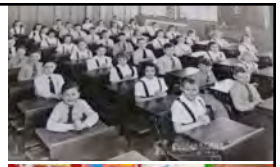
Educational Delivery

Where are you now?
Where do you want to be?

Teacher-Centric →	Student-Centric
Passive Learning →	Active Learning
Classrooms →	Flexible Learning Environments
Conventional Technology →	1:1 Technology Environments
Individual →	Collaborative
Subject-Based →	Project-Based



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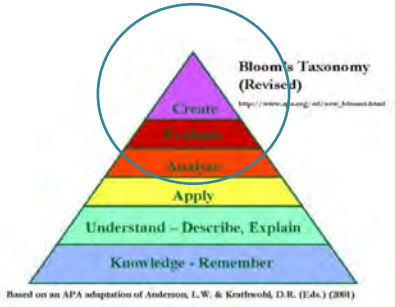
Bloom's Taxonomy (Revised)



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Top 10 Skills for a New Economy

in 2015

1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity

in 2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

Source: Future of Jobs Report, World Economic Forum

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Social Emotional Learning

- Character education
- Growth Mindset
- Mental health
- Mindfulness
- Resilience and Grit
- Classroom management

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Student-Centered Learning

- Agency
- Higher Order Thinking
- Proactive Learning
- Problem Solving
- Organizational Skills
- Communication
- Confidence

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Student Engagement

- Common Intellectual Mission
- Community Meetings
- Relationships
- Relevance
- Exhibitions
- Display

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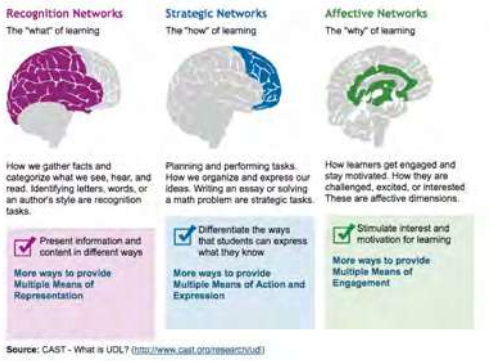
Universal Designs for Learning

- Principles for curriculum Development
- Multiple means of:
  - Representation
  - Expression
  - Engagement
- Independent and small group work



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Push-In / Differentiated Instruction

- Co-Teaching
- Learning Stations
- Equity and Access
- Varied Modalities and Venues



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Center-Based Instruction

- Materials for one type of subject grouped together
- Independent learning and exploration
- Child-accessible
- Hands-on and minds-on



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Health and Wellness

- Movement
- Varied Contexts for Learning
- Indoor/Outdoor Play
- Fitness (i.e. Yoga)
- Outdoor Connections

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Technolgy Integration

- Blended Learning 1:1
- Technology as a Tool
- Production of Technology and Information


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Anytime, Anywhere Learning

- Extended Learning Spaces and Times
- Self-Paced and Small Group
- Student Projects


Real World Connections

- Authentic Contexts
- Performance Assessment
- Product Creation


Hands-On Exploration

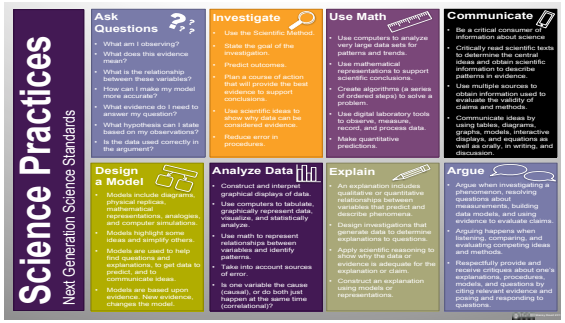
- Project-Based Learning
- Performance Assessment and Exhibition
- Product Creation and Display


Maker Thinking and STEAM

- STEM as Meta-Discipline
- Art and Humanities as Glue
- Design Thinking Process



Next Gen Science Standards



Teaming and Collaboration

- Meaningful Integration of Disciplines
- Cohort Groupings / Reduced Student Load
- Teacher and Student Collaboration



Arts Integration

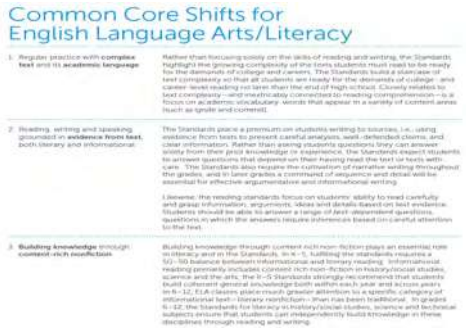
- Creative Expression and Communication
- Active and Varied Display Venues
- Music and Performance
- Design and Maker Thinking


After School Enrichment

- Drama
- Art
- Sports
- Coding
- Robotics
- Maker Thinking




Common Core ELA Shifts


Common Core Shifts for English Language Arts/Literacy

- Complex Text
- Academic Language
- Evidence from Text
- Building Knowledge
- Content-Rich Nonfiction

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Common Core Math Shifts


Common Core State Standards Shifts in Mathematics

- Concepts and Skills
- Problem Solving
- Thinking Across Grades
- Conceptual Understanding
- Fluency
- Application

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Academic/Growth Mindset

... Integrity, responsibility and Perseverance...

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PUBLIC SCHOOLS of BROOKLINE

Design Patterns

New School
Design Patterns

Greeting and Gatekeeping


HTM chula Vista – Studio E


Field School - JLA

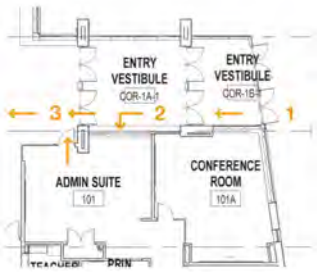
New School
Design Patterns

Welcoming Entry


HTMA New Vista with Carrier Johnson

New School
Design Patterns

Safety and Security




SMMA

New School
Design Patterns

Wayfinding and Streetscapes


High Tech Middle - Carrier Johnson and New Vista

New School
Design Patterns

Clusters of Learning

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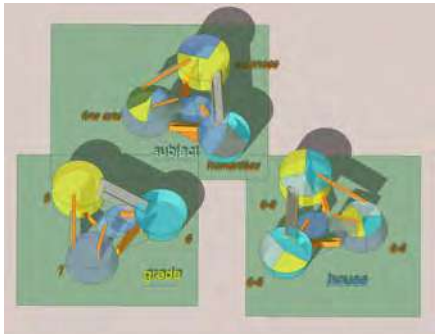
Hunking K-8 – New Vista with JCJ

New School
Design Patterns

Learning Communities



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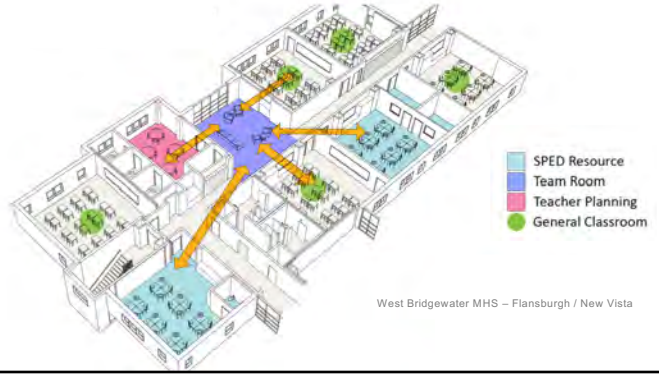
Design Patterns

Classroom Neighborhoods



West Bridgewater MHS – Flansburgh / New Vista

New School
Design Patterns

Agile and Flexible Classrooms

SMMA

MLK Lower School - Perkins Eastman

New School
Design Patterns

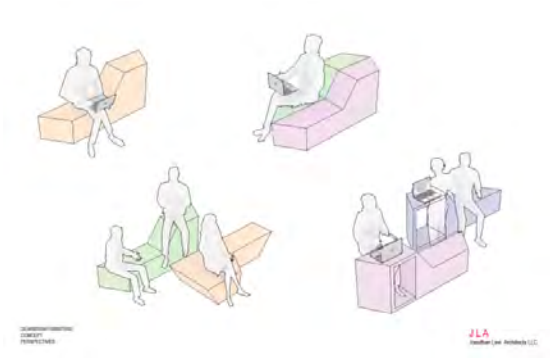
Flexible Furniture


Anzak Park Elementary - Sydney


VS Furniture

New School
Design Patterns

Student Configurable Environments



New School
Design Patterns

Classroom Zones


City Neighbors - Isaacson

New School
Design Patterns

Extended Learning Spaces

Birralee Primary / School Thompson Architects

New School
Design Patterns

Learning Commons – Multi-Purpose Space

New School
Design Patterns

Gathering Spaces

New School
Design Patterns

Community Collaboration Space

New School
Design Patterns

Small Group Collaboration Spaces

New School
Design Patterns

Hallway Learning


Grover Elementary - JCG


Portsmouth Middle School - JCJ


Runkle K-8 - DPC/Perkins Eastman

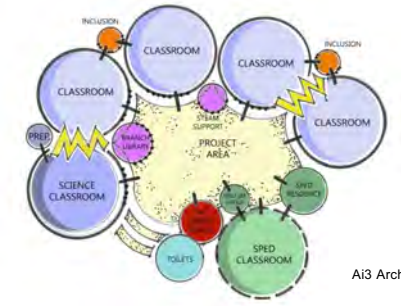
New School
Design Patterns

Anywhere, Anytime Learning


ATS&R Architects

New School
Design Patterns

Push In Special Education



Ai3 Architects

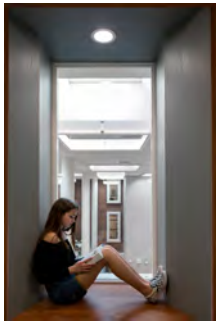
New School
Design Patterns

Varied Spaces


Da Vinci Schools – Gensler/New Vista

New School
Design Patterns

Quiet Spaces



The Roeper School

Collegiate School

HMFH ARCHITECTS

New School
Design Patterns

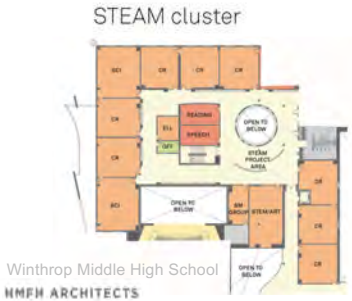
Nooks and Caves

Buckingham County Elementary - VMDO

McAuliffe Elementary - HMFH

New School
Design Patterns

STEM/STEAM Adjacencies



Winthrop Middle High School

HMFH ARCHITECTS

New School
Design Patterns

Teacher Teaming

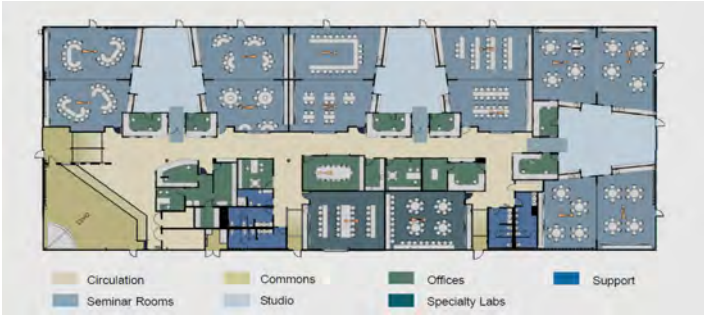
Field School - JLA

New School
Design Patterns

Community Access

New School
Design Patterns

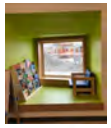
Distributed Resources



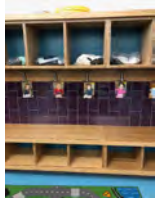
HTM - Carrier Johnson and New Vista

New School
Design Patterns

Child Scaled



CORRIDORS AND CLASSROOMS AT THE SCALE OF A CHILD



Jacobs Elementary – T2 Architects and New Vista

New School
Design Patterns

Blended Learning

New School
Design Patterns

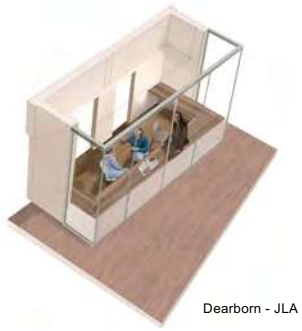
Distributed Dining
Cafeteria Zones


MLK Lower and Upper School - Perkins Eastman

New School
Design Patterns

Professional Work Areas

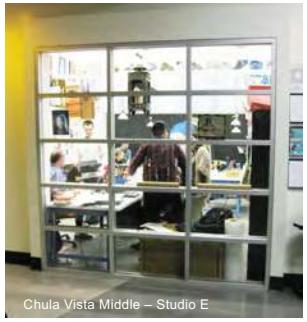

Great Oaks Charter - KSS


Dearborn - JLA

New School
Design Patterns

Visible Learning and Transparency


City Neighbors K-12 - Issacson


Chula Vista Middle – Studio E

New School
Design Patterns

Display and Exhibition


High Tech Middle Chula Vista – Studio E

New School
Design Patterns

Outdoor Connections

New School
Design Patterns

Engaged Outdoor Play

New School
Design Patterns

Outdoor Gardens

New School
Design Patterns

Sustainability

New School Design Patterns

Building as Teacher

MLK Lower School - Perkins Eastman

New School Design Patterns

Branding and Identity

Da Vinci Schools – Gensler and New Vista

New School Design Patterns

Media Space as Gathering Hub


Field School - JLA


MLK Lower School - Perkins Eastman

New School Design Patterns

Maker Spaces and FAB Labs


Possible Project – HMFH


Explorer Elementary – Studio E

New School
Design Patterns

Cyber Dining

New School
Design Patterns

Enrichment Spaces

New School
Design Patterns

Thoughtful Renovation

New School
Design Patterns

Adaptive Reuse

flexibility in spaces and furniture…
while getting natural light deep into the corridors

New School Design Patterns

Timeless and Traditional


Elliott Street School – Finegold Alexander


New Hingham Elementary School – Turowski 2

New School Design Patterns

History and Storytelling

West Bridgewater MHS – Flansburgh/New Vista


Da Vinci Science

Which Design Patterns resonate most for the Driscoll School?

Blue Sky Ideas

Write about one or more aspirational idea(s) and/or or space you would like to see take shape within the Driscoll School renovation and expansion project.


Q&A