8 FUNDAMENTAL AREAS
Encompassing 79 Ways to Use Design to Effect Teaching & Learning

- Basic Needs
- Sustainable Schools
- Minds at Work
- Realm of the Senses
- Bodies in Motion
- Learning for All
- Community Connections
- Rewired Learning
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"THE THIRD TEACHER"
A Primer for Linking the Environment to Transforming Teaching and Learning

Presented By
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STUDIO JAED
ARCHITECTS • ENGINEERS • FACILITIES SOLUTIONS
A child starting kindergarten this fall will graduate near the end of the third decade of the 21st century.
All we can know about the world this child will step into is that it will have challenges and opportunities beyond what we can imagine today, problems and possibilities that will demand creativity and ingenuity, responsibility and compassion.
Whether this year’s kindergarten student will merely survive or positively thrive in the decades to come depends in large measure on the experiences they have in school.
Those experiences will be shaped by adults, by peers, and ultimately by places, by the physical environments where the child does their learning.
United in the conviction that environment is our children’s third teacher, we can begin anew a vital mission: Designing today’s schools for tomorrow’s world.
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Basic Needs
Sustainable Schools
Minds at Work
Realm of the Senses
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Learning for All
Community Connections
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Basic Needs
Do No Harm

Put Safety Before Study

Design for Speech & Hearing
Do No Harm

But Safety, Be
We cherish children...
...so too should we cherish the spaces where children learn.

We should adopt this oath "DO NO HARM" as a fundamental approach to children's learning environments.
Do No Harm

Put Safety Before Study

Design for Speech & Health
Children are ready to learn only when they are safe and secure.

Address those needs before considering any other aspect of the child's environment.
Do No Harm

Put Safety Before Study

Design for Speech & Hearing
Acoustics isn't just for concert halls...

Sound absorbent materials, silent HVAC, sound insulated walls, doors, and ceilings, and audio enhancement all contribute to an effective teaching and learning environment.
Basic Needs

Minds at Work

Bodies in Motion
Make It New

Support Great Teaching

Form Follows Function
Make It New

Support Great Tech
Look at learning with 21st Century eyes...

Are we constrained by today's reality, or are we thinking about what teaching and learning will be like in the future.
Make It New

Support Great Teaching

Form Follows Function
Free teachers from the traditional desk at the front of the classroom...

Encourage new settings for teaching and learning.
Support Great Teaching

Form Follows Function
It seems obvious, but often forgotten...

Teaching and learning should shape the building, not vice versa.
Minds at Work

Bodies in Motion

Community Connection
Make Peace with Fidgeting

Make Classrooms Agile

Naturalize Play Spaces
Make Peace with Fidgeting

Make Classrooms Agile
Think of it as brain development, which it is...

Then think of how to make room for it in the classroom.
Make Peace with Fidgeting

Make Classrooms Agile

Naturalize Play Spaces
A learning space that can be easily reconfigured...

...will engage different kinds of learners and teachers.
Make Classrooms Agile

Naturalize Play Spaces
Kids don't need much to engage their imaginations.

Allowing grass and leafy plants to flourish in play spaces will provide endless opportunities for play and discovery.
Bodies in Motion

Community Connections

The authors invite us in Point 79:
Add to this list...
The ideas presented are ingredients, to be combined in varying quantities as suits conditions and tastes. The list is by no means finite.
Add to it, adapt ideas, grow new ones, and transform the world.
Imagine Like a Child

Make Them Proud

Build a Nest
Imagine Like a Child

Make Them Proud
Visualize a proposed school from a student's perspective...

The poignancy of that point of view may help transform a proposal into a built project.
Imagine Like a Child

Make Them Proud

Build a Nest
The rich cultural traditions of a school's students offer design opportunities...

Embracing them is a mark of respect that tells students that where they come from matters as much as where they're going to.
Build a Nest
Children need comfort just as much at school as they do at home...

Give them a soft, quiet, and cozy area to play in by themselves or with a few friends.
Total Areas

Effect Teaching & Learning

Sustainable Schools

Realm of the Senses
Reveal How Stuff Works

Let Students Lead

Slow the Pace
Reveal How Stuff Works

Let Students Lead
Making school infrastructure literally transparent...

...teaches the workings of the real world.
Reveal how staff will:

Let Students Lead

Slow the Race
Hands-on experience is a powerful teacher...

Encourage students who want to convert their school to sustainable practices, and let them go for it.
Slow the Pace
Alcoves and furniture in hallways discourage high-speed traffic and create places of pause.
Sustainable Schools

Realm of the Senses

Learning for All
Think Hands On

Trigger the Senses

Design in Multiple Dimensions
Think Hands On

Trigger the Sense
Children of all ages need places where they can learn by touching, manipulating, and making things with their hands.
Think Hands On

Trigger the Senses
Sound, smell, touch, and movement power memory...

An environment rich in sensory experiences helps student retain and retrieve what they learn.
Trigger the Senses

Design in Multiple Dimensions
Evaluate ideas, features, and materials for the learning environment on their sensitivity to color, light, and texture.
Realm of the Sensory

Learning for All

Rewired Learning
Put Fun in Fundamentals

Make It Feel Good

Create a Movement
Put Fun in Fundamentals

Make It Feel Good
Injecting a learning space with playfulness and humor creates a warm and welcoming atmosphere.
Make It Feel Good
Schools that are engaging, vibrant and great places to be foster a sense of belonging that is important for all kids, especially those at risk.
Create a Movement
Engage in meaningful conversations about changing the education landscape. Parents, teachers, community members, and politicians are all important and powerful stakeholders in this movement.
Learning for All

Rewired Learning
Consult With Kids

Put Theory Into Practice

Embrace Purpose
Consult With Kids
Survey students about what they would like to study...

...then design spaces that let them learn what they want to learn.
Consult With Kids

Put Theory Into Practice

Embrace Purpose
Give students space - studios, workshops, and laboratories...

...where they can test ideas for practical applications.
Embrace Purpose
Install technology that can simulate real-world situations...

Given the chance to solve authentic problems, kids will rise to the challenge.
The authors invite us in Point 79:

Add to this list...

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Add to it, adapt ideas, grow new ones, and transform the world.
Raffle!