

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

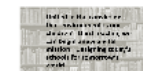
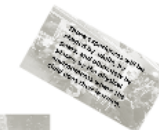
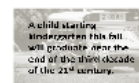


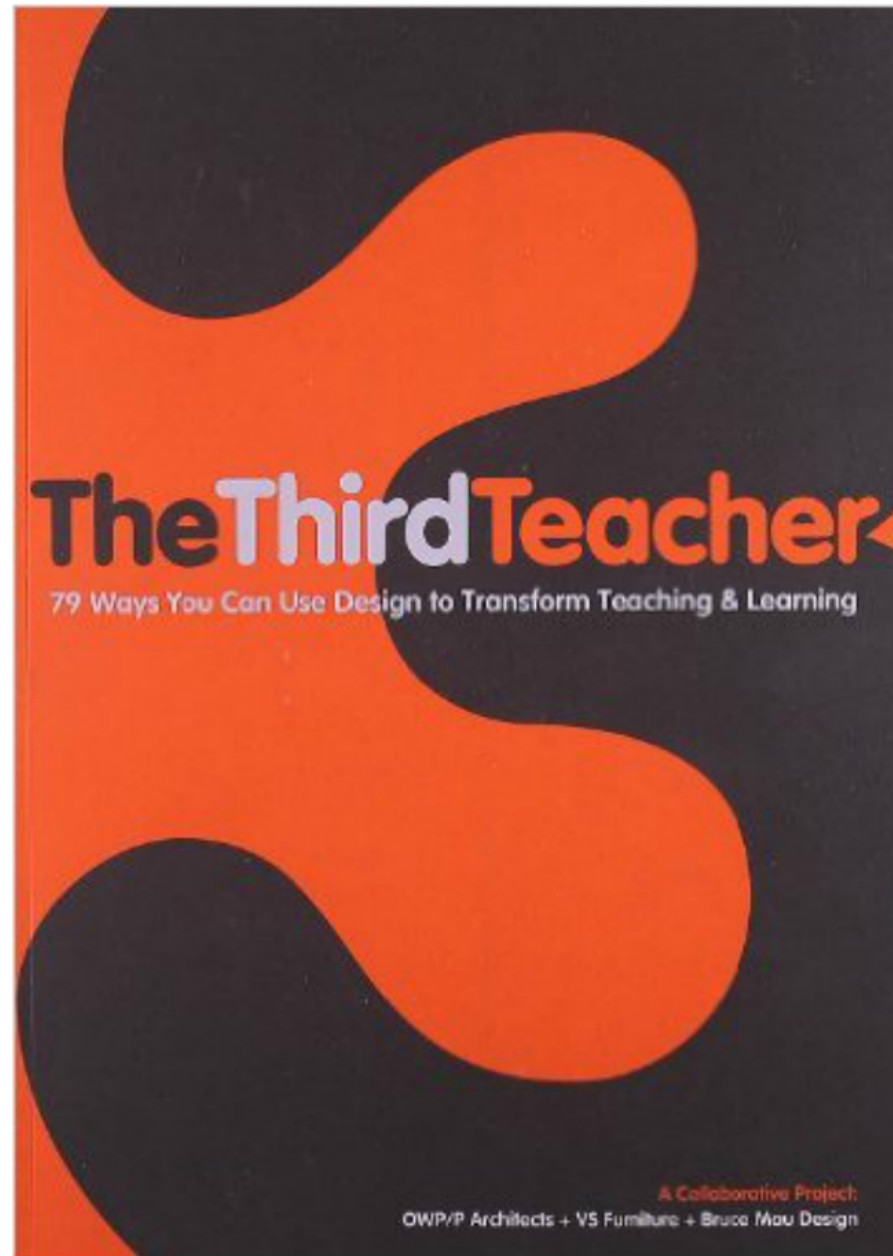
Community Connections



Rewired Learning

The authors dedicate to Public To
the world.
This book is not an endorsement of
any particular product or service
and is not a guarantee. The authors
are not responsible for any damage
or loss of data.





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Envisioning
the Future of
Learning
Environments

ASSOCIATION FOR LEARNING ENVIRONMENTS

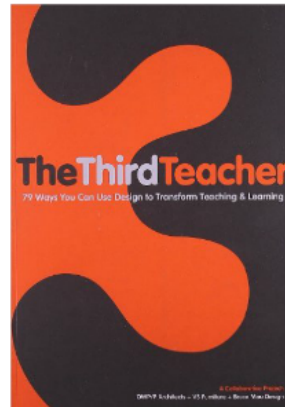
LearningSCAPES
2016 Conference

REVOLUTIONS
IN LEARNING

September 28 - October 1, 2016
PHILADELPHIA, PA

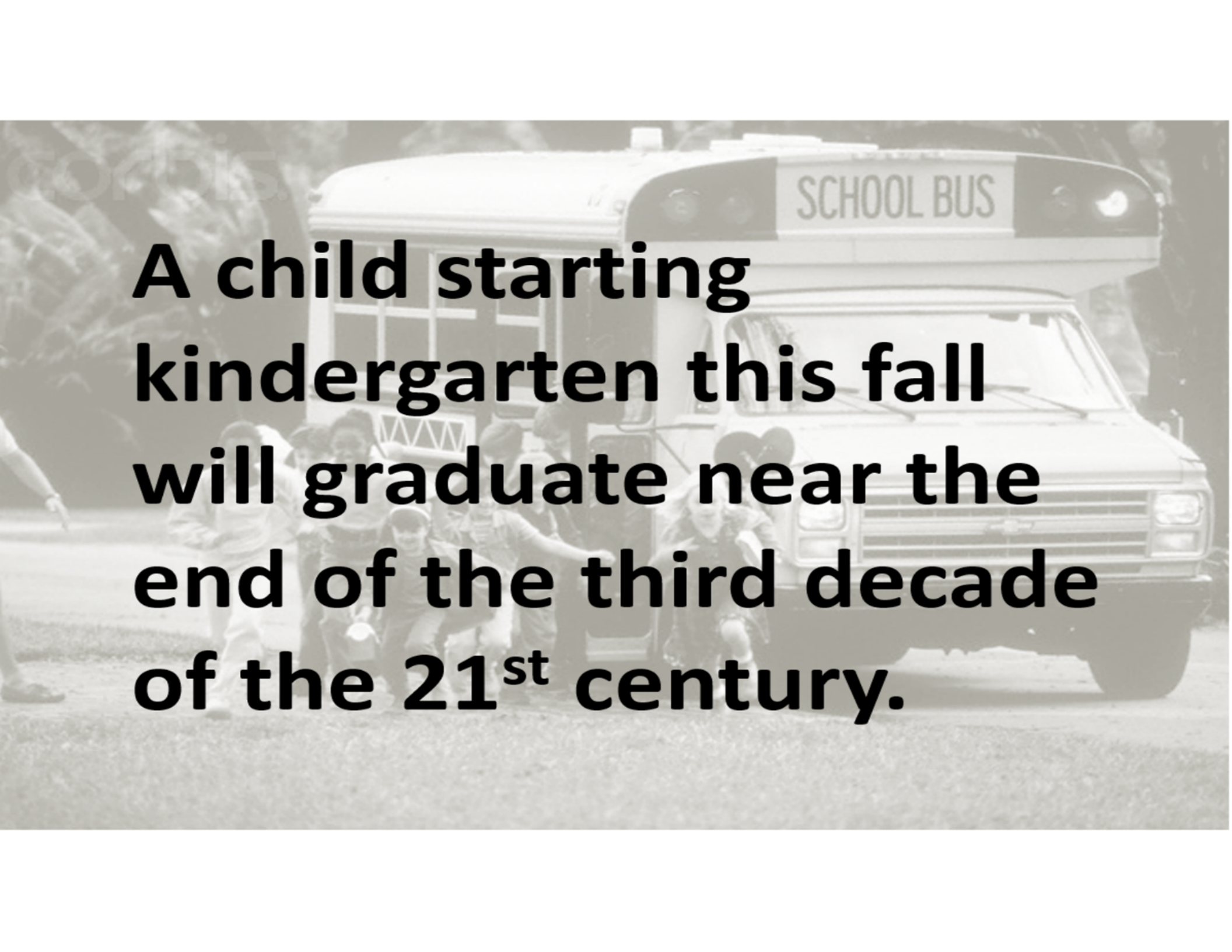
"THE THIRD TEACHER"

*A Primer for Linking the Environment to
Transforming Teaching and Learning*




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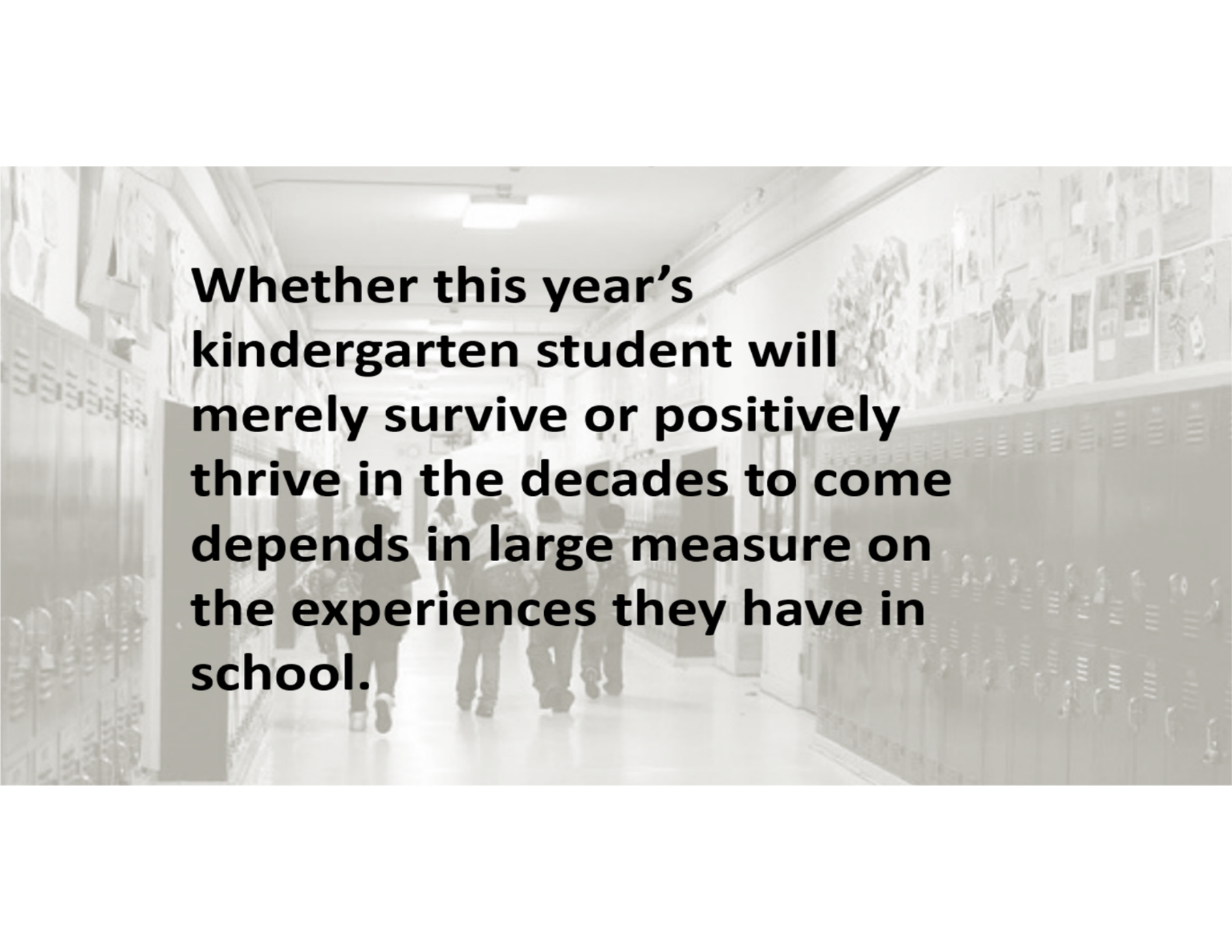
Presented By
Richard D. Moretti, Ed.D., ALEP, LEED™ AP

A black and white photograph of a school bus with the words "SCHOOL BUS" on its front. A group of children is gathered around the bus, some appearing to be getting on or off. The image is semi-transparent, serving as a background for the text.

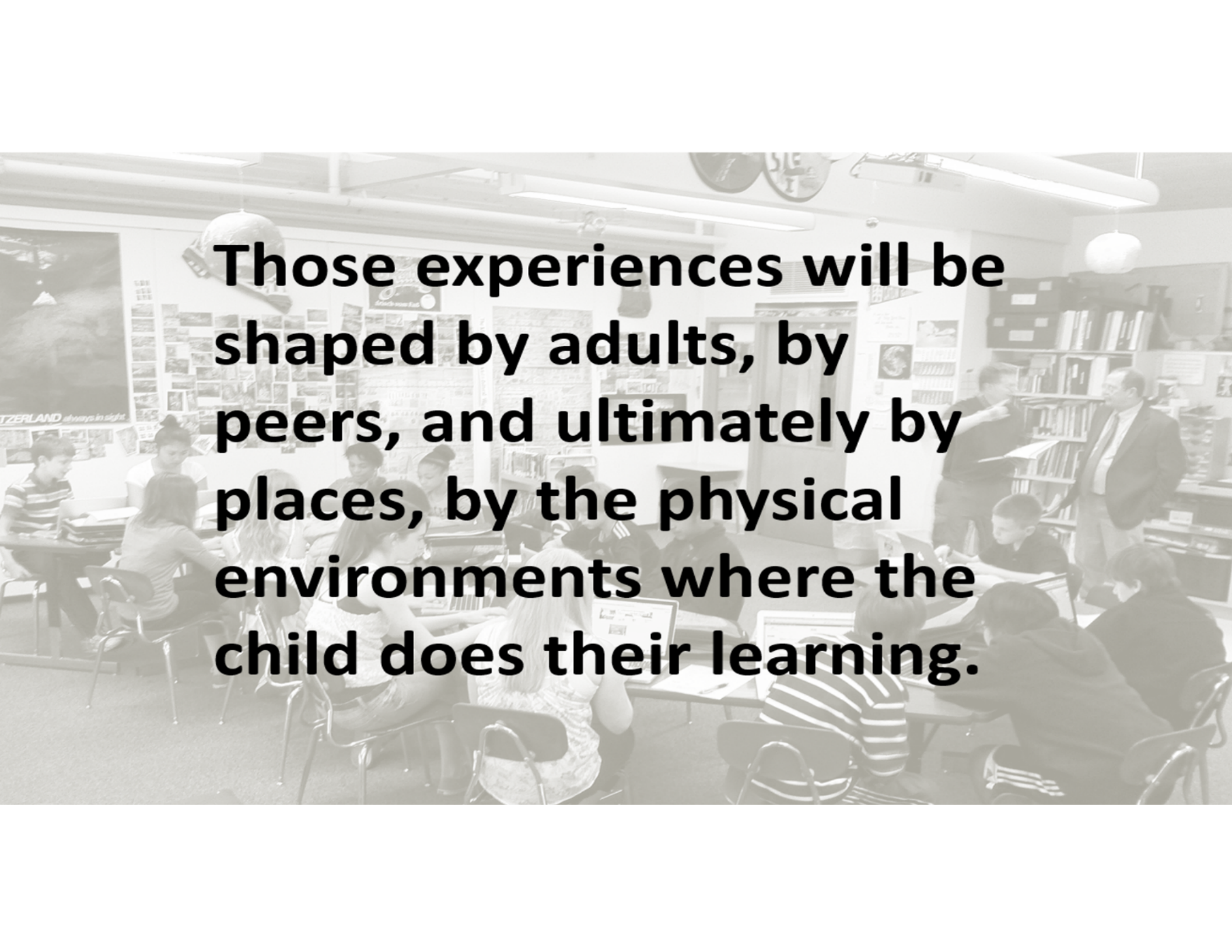
A child starting kindergarten this fall will graduate near the end of the third decade of the 21st century.

An aerial photograph of a densely populated city, likely in Asia, showing a mix of high-rise apartment buildings and lower-rise structures. The image is semi-transparent, allowing the text to be clearly visible over the cityscape.

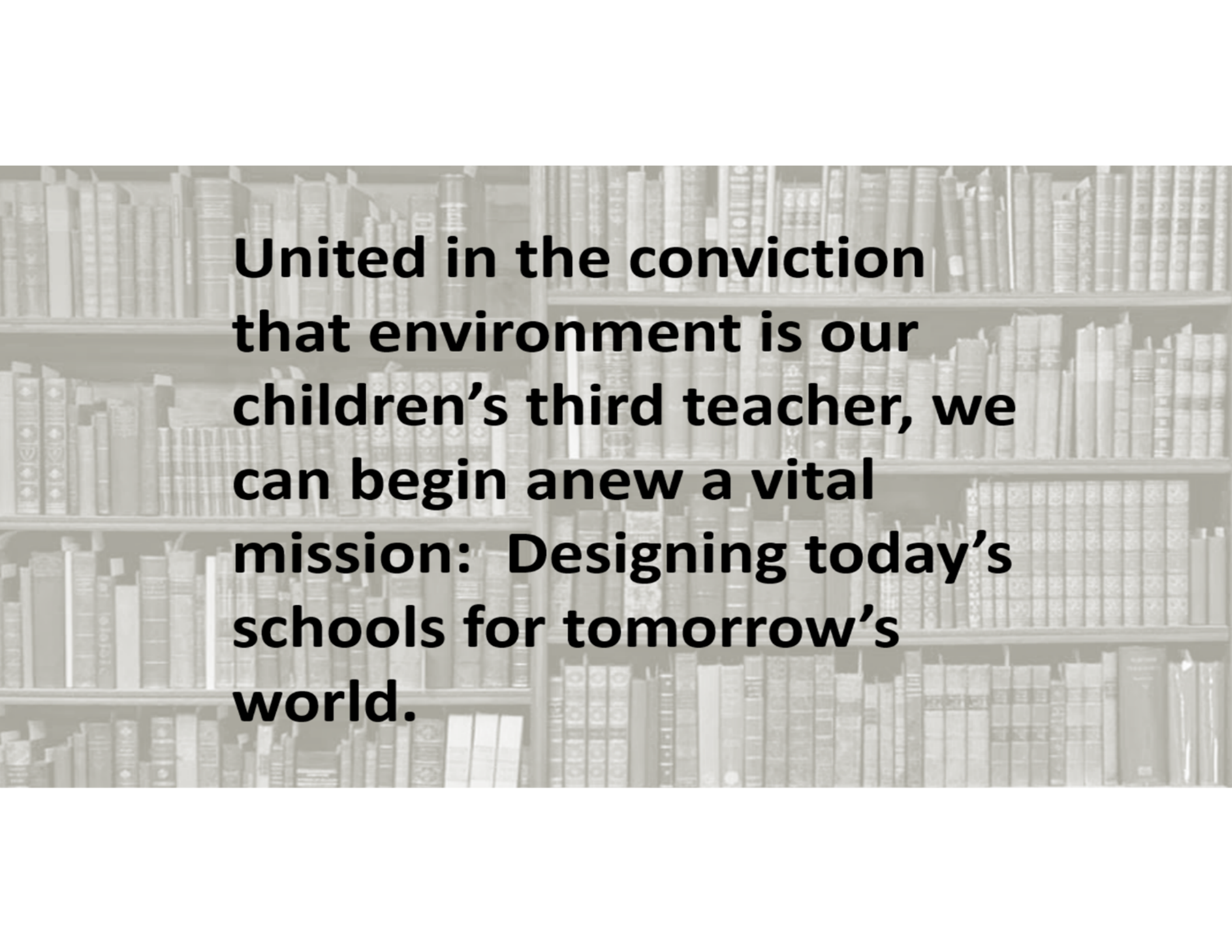
All we can know about the world this child will step into is that it will have challenges and opportunities beyond what we can imagine today, problems and possibilities that will demand creativity and ingenuity, responsibility and compassion.



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.

A black and white photograph of a classroom. In the foreground, several students are seated at desks, some looking at laptops. In the background, two adults, a man and a woman, are standing near a bookshelf, possibly engaged in a discussion. The classroom is filled with educational materials, including posters on the walls and a globe hanging from the ceiling. The overall atmosphere is one of active learning and collaboration.

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



Bodies in Motion



Learning for All



Community Connections



Rewired Learning

Encompassing 79 W



Basic Needs



Minds at Work



Do No Harm

Put Safety Before Study

Design for Speech & Hearing

Do No Harm

Don't Soften, Do

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 & Hearing

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



Body in Motion



Make It New

Support Great Teaching

Form Follows Function



Make It New

Support Great Te

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 Conne



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 Fidgetin

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

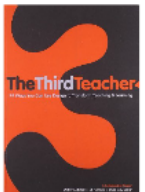


The authors invite us in Point 79:

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.



Raf



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.

How can I slow down my students' work?

Let Students Lead

Slow the Dance

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 Senses

Children of all ages need places where they can learn by touching, manipulating, and making things with their hands.



I 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 Sen



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...



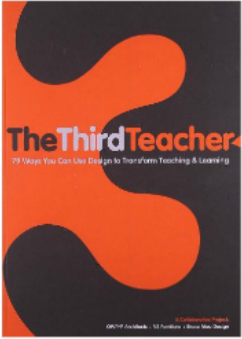
...where they can test ideas for practical applications.

Embrace Purpose

Install technology that can simulate real-world situations...



Given the chance to solve authentic problems, kids will rise to the challenge.

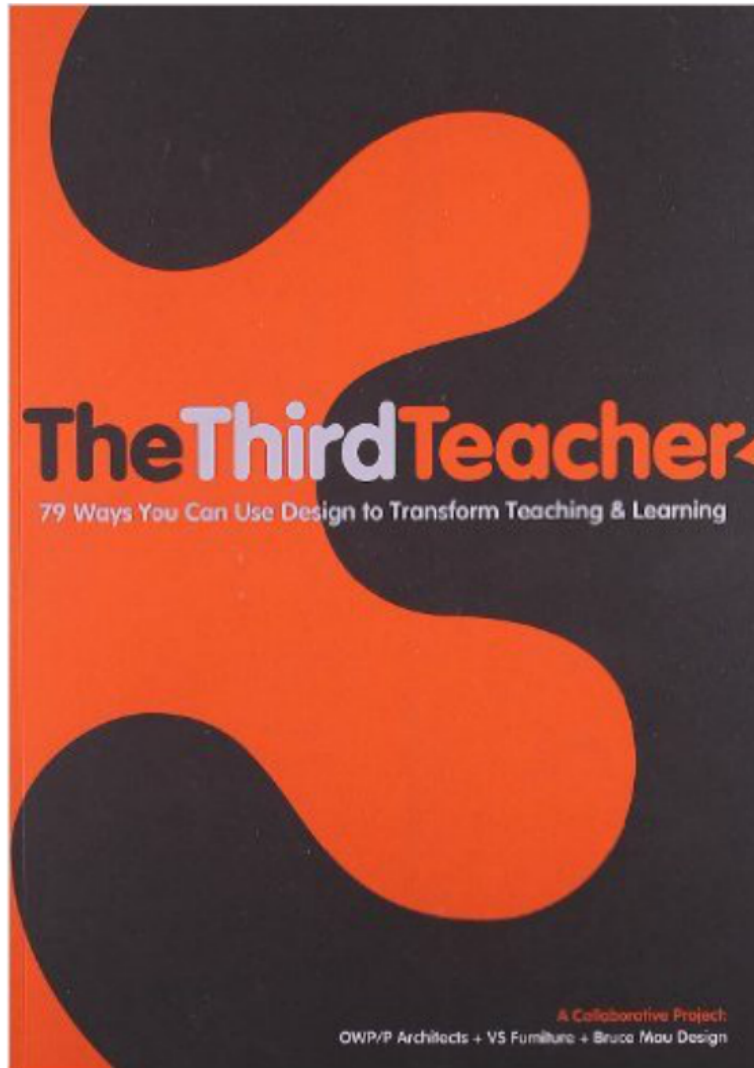


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Raffle!

