Where We Learn Matters: How Interiors Affect Engagement

with the outdoors and the various ways students learn. As emphasized by the U.S. Green Building Council's campaign of the icant part of their day is spent within a learning space. Every day we have the opportunity to provide healthy environ-Protection Agency the average American spends nearly 90 percent of their time ments that address new science stanindoors? For students this means a signif-Did you know that according to dy by the U.S. Environment changing technology, integration where we learn matters Environmental

based approach is critical to design successfully for the next generation. The following are three interior design concepts that are key to compassionately designing positively influences student experience and behavior. More than ever before, the most important skill for designers to have is the ability to empathize with students. educational environments: Empathy combined with a research-Through informed decision-making design of the interior environment

Create Connections

the way a school district outlines an educational program by considering how each discipline works together and tailoring it to each student, designers consider how different elements work together—everything from furniture and rooms, to walkways and buildings—to identify a design program. By understanding the function of a space and the activities that may happen within it, a successful interior inspires curiosity and challenges students to explore the world around them. Using elements like flexible furniture, transparent materials, operable connections can transform learning, from the walls of a classroom to the horizon community and the outdoors. Similar to and graphic branding in the interior design inspires curiosity

in Southern California tions for the Westminster School District mented in three new middle school addi-These ideas were successfully imple

riculum supported by a thoughtful program with spaces that flow together." ate, LPA Inc. "Inspired by Daniel Pink's 'A Whole New Mind,' the district's leadration between teachers in a culture that had traditionally been in silos," explains Kate Mraw, interior designer and associers collaborated to implement a new curership team and LPA's integrated design-"Our challenge was to foster collabo-

having participants define the qualities of the spaces they needed for conven-tional art, shop and computer instruction classes. The exercise evolved to a more imagine, explore and create. By contem-

were broken into activity zones that address the needs of individuals and small and large groups. Every space has a physical connection to each other and the outdoors. The result is an exploagogies — including team teaching, problem-based learning and traditional instruction — creating and traditional nary workshop for learners the outdoors. The result is an exploration center that allows for multiple pedplating the process for learning, labs were broken into activity zones that

Establish Sense of Scale

ferent scales of volumes, students respond with behavior that is appropriate for the specific program. Imagine a large, open learning space that is bright and active. This space would be effective for inspired project-based learning. Compare this to a niche with a low ceiling and a small scale for an individual student to study. This space results in a very different response from students than the open collaborative space. It's an interior designer's responsibility to Students learn in many ways and by designing spaces that respond to small, medium and large group activities, we give students ownership over their umes and perspectives of a space, is important in educational design. By using design elements that create difsense of scale, or understanding the volumes and perspectives of opportunities for various learn

charter school is located on the sixth and seventh floors of the Downtown Public emphasized personalized learning inspiring collaboration in the sc At e3 Civic High in San Diego, LPA asked to design a school setting that innovative



At e3 Civic High in San Diego, LPA was asked to design a school setting that emphasized personalized learning while inspiring collaboration in the school's highly unique setting



At Montgomery Middle School in Chula Vista, Calif., the challenge was to achieve LEED for Schools Platinum while adhering to the district's mandate for a single package unit per classroom.

that scales to suit their project and curriculum needs," explains Mraw. Library. "We wanted students at this school-within-a-library to have a completely flexible learning environment

movement matters. Regardless of the pri-"For learning to happen everywhere,

mary function of a tool or furniture piece, secondary uses were explored, developed and designed," Mraw continues.

Students have individual laptops used for online learning blended with other next-generation learning and ing the school's mission of creating lifepedagogy, while giving students owner-ship over the environment and supportaccommodate the flexible nature of their instructional methods. The active spaces

Engaged Environments

This creates an experience for students while they inhabit a space. The proper balance of natural daylighting, lighting, acoustics and finish decisions impact a educational environment a user has with the interior design of the most tactile and engaging understanding balance between the sustainable visual qualities of a product can be nance, high performing and long lasting, designers contribute to the impact on the project from a sustainability standpoint. Creating spaces that are sustainable as a "healthy learning environment" is an important aspect of interior expertise. By student's experience with the space. This specifying materials that are low mainte-

LEED for Schools Platinum while adhering to the district's mandate for a single package unit per classroom. Designed in collaboration with the maintenance and There is opportunity in every project to demonstrate that the design for the a school matters. At Middle School in Chula school

> professor emeritus of art history at the University of Cincinnati, the primary wall noise. Manual operable windows on opposing walls give students and teachers warmer temperature, saving energy at a lower volume, and reducing background more comfortable, reduce eye fatigue. This environment is a is a different color than the other walls to greater control over natural ventilation and the room's thermal comfort. Based on a 2003 study by Lloyd Engelbrecht, ment for learning by delivering air at the tion provides a quieter Combining this with displace tion hub in the center of each classroom operations group, the innovative solution uses high-efficiency HVAC units located learn because it addres breathe, see and feel enjoyable place to

connections, cultivate learning opportunities and encourage engagement. The next generation of learners will innovate in personalized, inspiring spaces, proving where we learn matters. school community engages environment, interior design teachers and students interact with a space. With empathy for the ways a sider the flow between zones and takes a closer look to identify the unique ways the larger context of the campus to A successful interior design respects with their

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