
Farmland & Forest
an Immersive Learning Environment
FPS
entegrity
energy.integrity.

Project Vision and Context

Policy Precedes Performance

High-performance architecture requires a high-performance district culture. The FPS Sustainability Plan establishes the essential scaffolding required to achieve and maintain LEED and WELL certifications.

Creating a Culture of Sustainability

Engaging students and staff through project-based learning and waste auditing, ensuring the building is actively used as a teaching tool rather than just a passive structure.

Setting Measurable Data Goals

Implementing building-level sustainability dashboards that track energy, water, and waste diversion—transforming raw operational data into transparent, real-world learning tools.

Building Leadership Capacity

Empowering champions, updating job descriptions for sustainability-adjacent roles, and fostering cross-departmental collaboration to manage complex green systems.

Architecture as an Educator and Healer

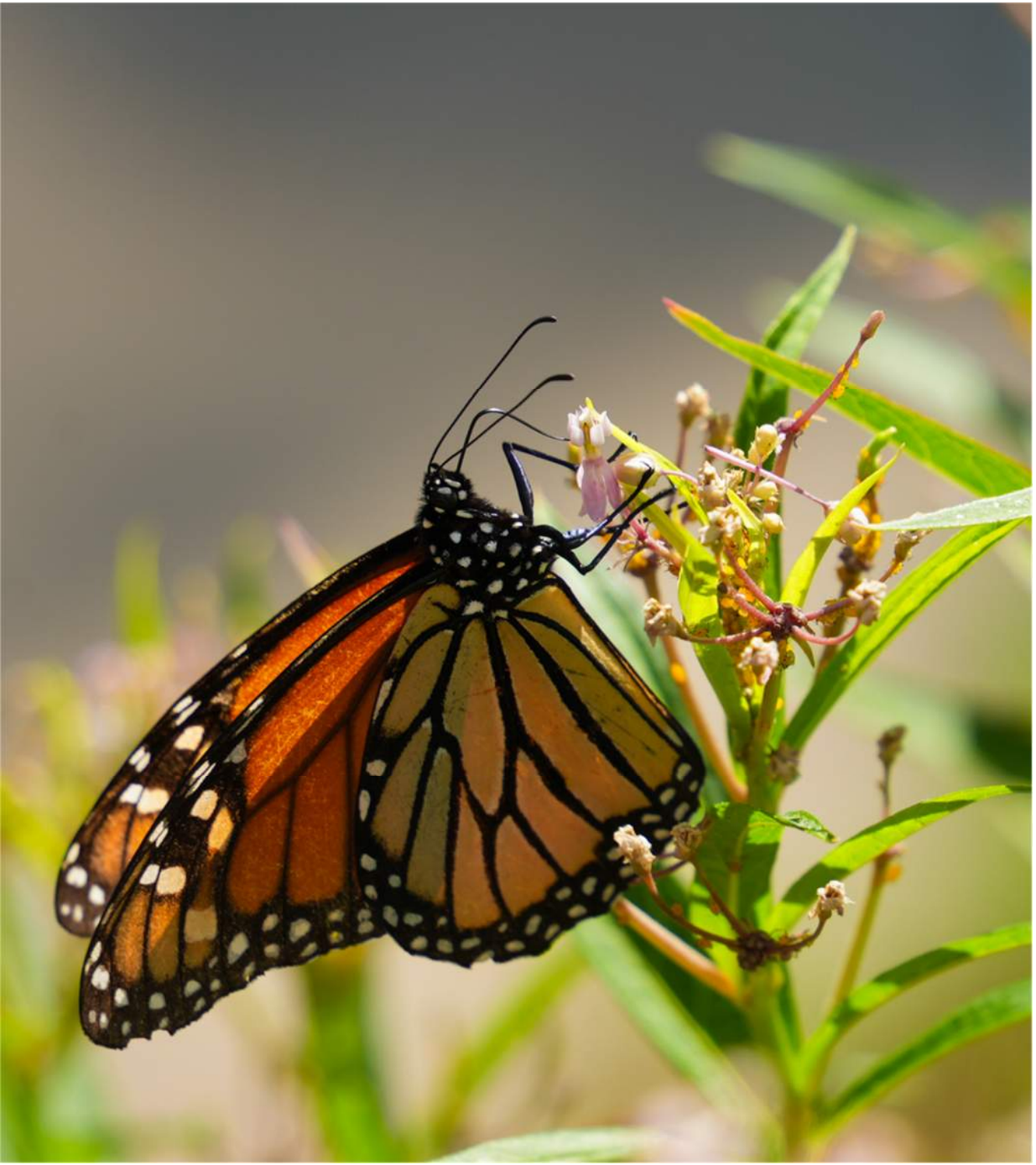
Woodland Junior High's design translates the district's biophilic and outdoor education goals into calculated, evidence-based environments that improve behavioral and mental health outcomes.

Biophilic Design: The integration of natural materials lowers stress levels and improves overall mental health.

Views of Nature: Direct sightlines to the Ozark landscape improve student focus, self-regulation, and impulse control.

Outdoor Learning Spaces: Flexible indoor-outdoor access increases prosocial interaction and student engagement across the curriculum.

Integrated Food Systems: Hands-on agricultural spaces anchor project-based learning and foster environmental stewardship.




STUDENT
Nathaniel Covington

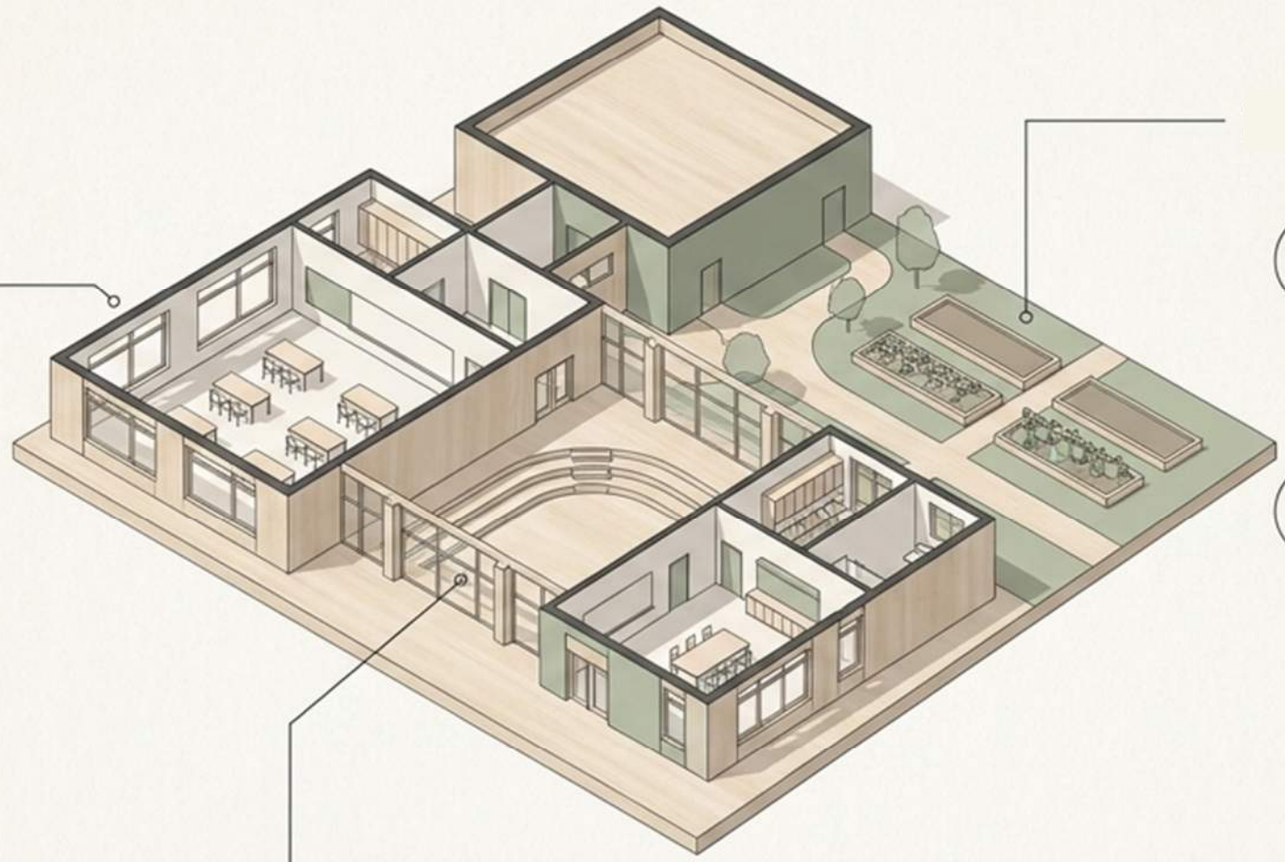
Walk Bike & Roll

What does **sustainability mean** to the district?

What do you want the students to **learn** from this school that they wouldn't learn from your existing facilities? What makes this school/location unique?

What do you want the **impact** of this project to be **in the community**?

The Living Blueprint



The Learning Core

Flexible Furniture

Plenty of space in the classroom with comfortable, flexible furniture to allow for individual, small group and whole class instruction. Ample electrical outlets and flexible controls of lighting and thermostat are also a must.

Natural Light

Abundant natural light in all areas of the school.

Storage

Storage in all capacities - closets, cabinets, counterspace, and prep space. Space for subs and custodial to store items. Cubbies or hooks in classrooms for kids to store backpacks.

Wellness & Environment

Greenspace

Greenspace for student use and classroom sessions dedicated to outdoor learning. A school garden attended to by students would be an amazing learning tool.

Bathrooms & Facilities

Plenty of bathrooms with individual toilets and sinks located separately. Water bottle filler stations. Teacher only restrooms located throughout the building.

The Community Hubs

Gathering Space

Gathering space with good acoustics that can be used for plays, concerts, parent meetings, author visits, and all school assemblies

Teacher Common Area

Common area for teachers to eat lunch, make copies, use the restroom, and collaborate ideas.

Environments That Drive Outcomes

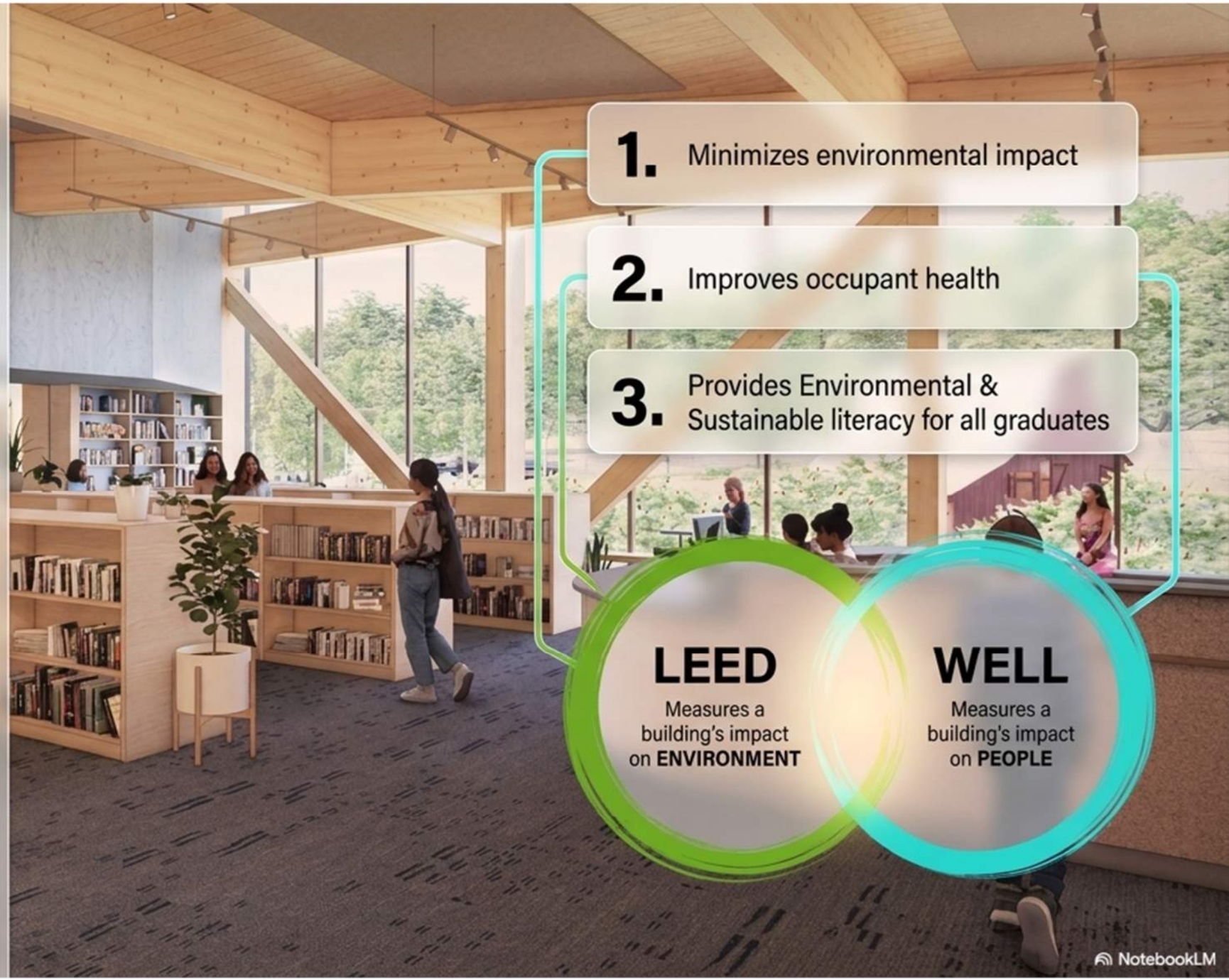
These elements are not isolated line items on a construction plan. Together, they create a breathable, adaptable environment that dignifies the daily work of our educators and actively inspires the growth of our students.

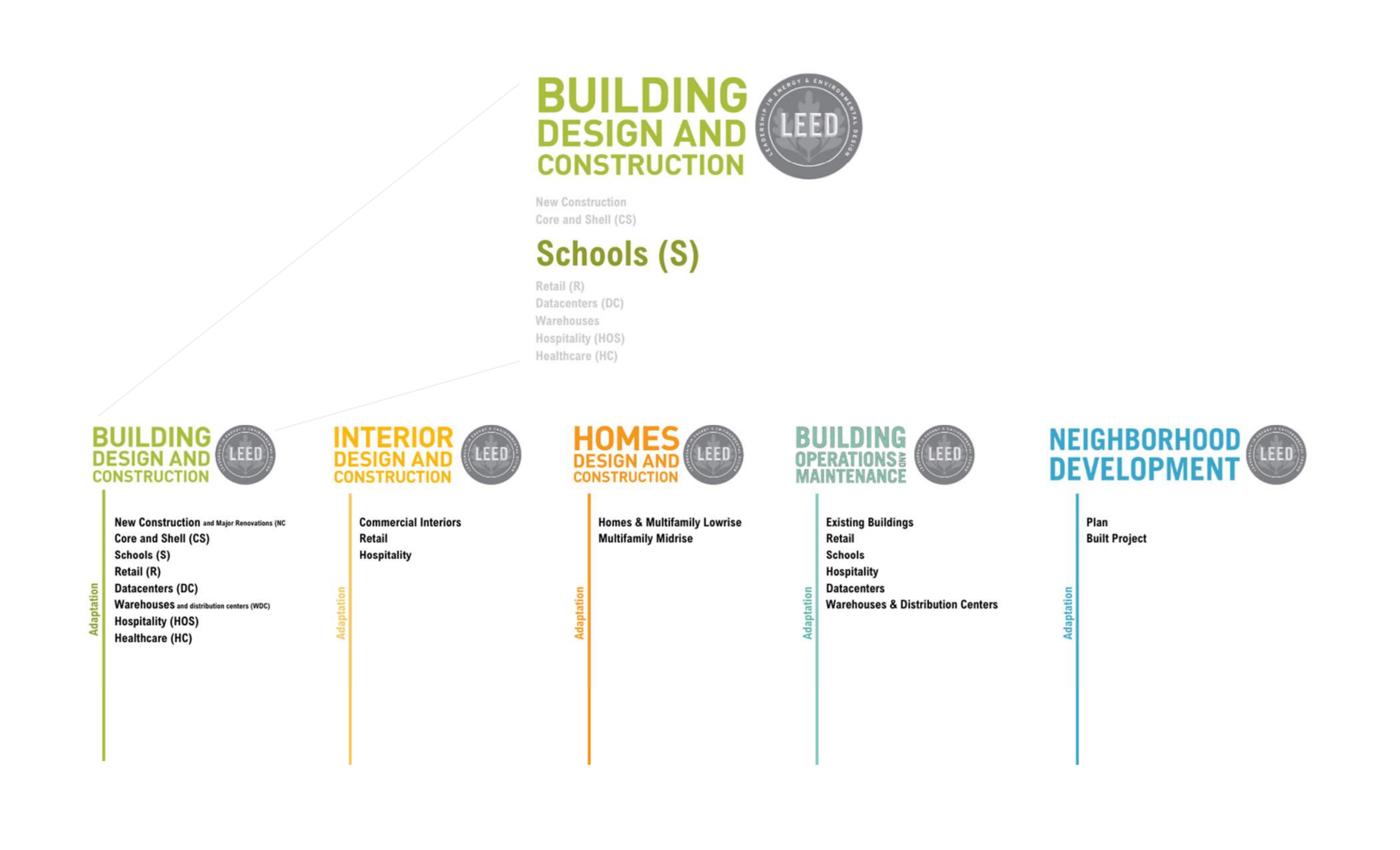
Environmental Responsibility and Wellness in Schools

Where We Learn Matters

1 in 6

Individuals in the US set foot in a school every day. The impact on people and the environment is enormous.




BUILDING DESIGN AND CONSTRUCTION
LEED
New Construction
Core and Shell (CS)
Schools (S)
Retail (R)
Datacenters (DC)
Warehouses
Hospitality (HOS)
Healthcare (HC)
BUILDING DESIGN AND CONSTRUCTION
LEED
Adaptation
New Construction and Major Renovations (NC
Core and Shell (CS)
Schools (S)
Retail (R)
Datacenters (DC)
Warehouses and distribution centers (WDC)
Hospitality (HOS)
Healthcare (HC)
INTERIOR DESIGN AND CONSTRUCTION
LEED
Adaptation
Commercial Interiors
Retail
Hospitality
HOMES DESIGN AND CONSTRUCTION
LEED
Adaptation
Homes & Multifamily Lowrise
Multifamily Midrise
BUILDING OPERATIONS AND MAINTENANCE
LEED
Adaptation
Existing Buildings
Retail
Schools
Hospitality
Datacenters
Warehouses & Distribution Centers
NEIGHBORHOOD DEVELOPMENT
LEED
Adaptation
Plan
Built Project

Sustainable Design Strategies

Energy-Efficient Design

The school uses energy-efficient building envelope and systems and is designed to receive solar.

Resource Efficiency and Cost Savings

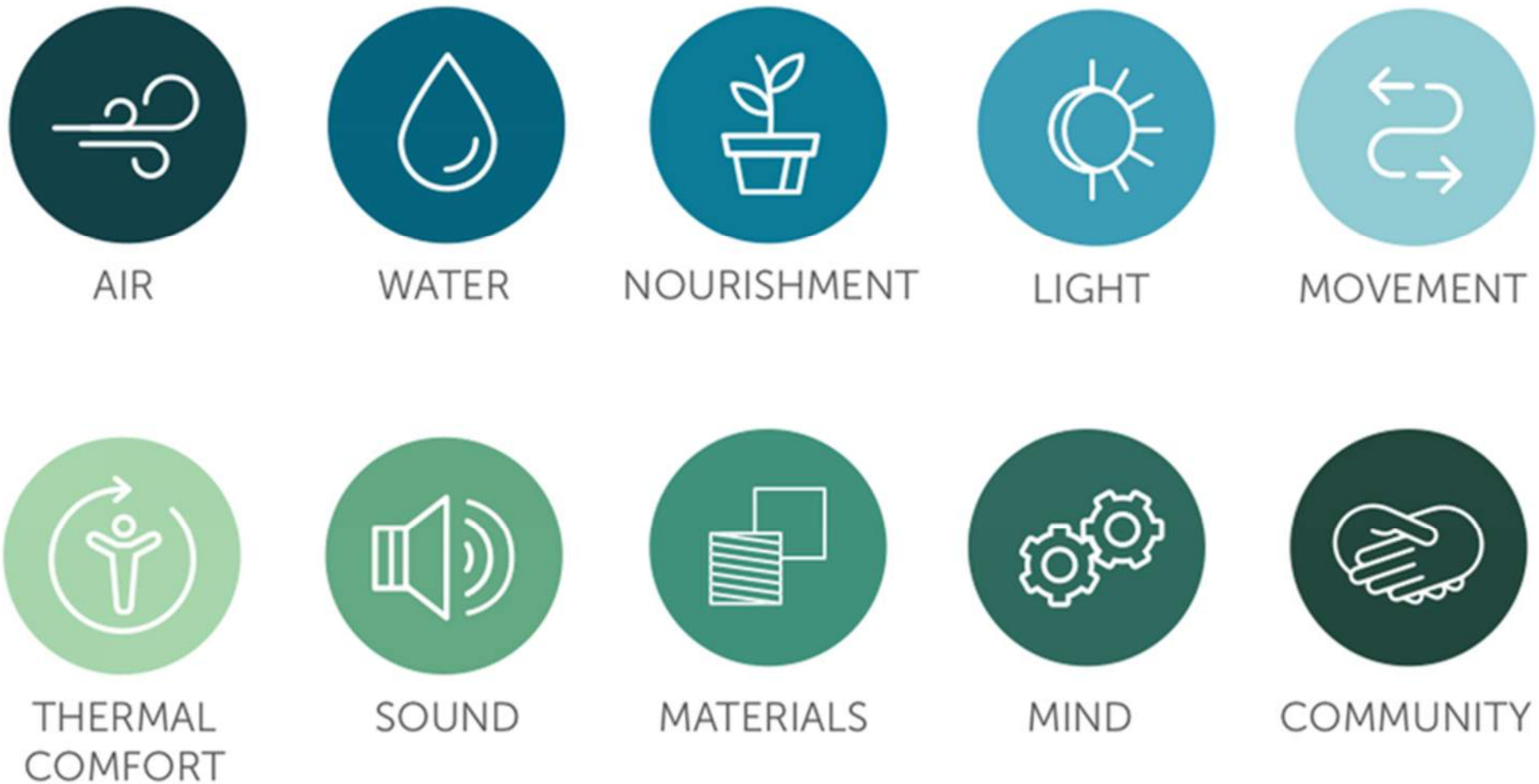
Resource efficiency strategies lower maintenance and utility costs, and provide opportunities for real-world student learning.

Balanced Environmental and Wellness Goals

The design balances environmental performance with occupant comfort and educational priorities for overall wellness.


We spend about
90%
of our time indoors
modus studio

Ten Concepts of WELL



Why Student Wellness Matters in School Design

Impact of Environment on Students

Air quality, lighting, noise, and comfort significantly affect student concentration, mood, and health.

Consequences of Poor Design

Poorly designed spaces increase stress, fatigue, and disengagement, harming learning and behavior.

Benefits of Wellness-Focused Design

Wellness-oriented spaces improve attendance, reduce discipline issues, and support positive mental health.

Design as a Teaching Tool

The building models health and self-care, reinforcing educational values beyond academics.

FPS is using its purchasing power to support healthier products, encouraging greater ingredient transparency and reducing the use of harmful chemicals throughout the building industry.

KEY WELL FEATURES

Low-Emission Materials

Low-VOC paints, adhesives, flooring, ceilings, and insulation help create healthier indoor spaces with fewer airborne contaminants.

Material Transparency

Products with disclosed ingredients support informed material selection and greater confidence in building health performance.

Reduced Hazardous Chemicals

Limiting lead, mercury, and other harmful substances helps reduce occupant exposure and supports long-term well-being.

Improved Indoor Air Quality

Careful material selection contributes to cleaner indoor air and a healthier environment not only for builders during construction but also for all occupants learning and teaching in the building.

KEY WELL FEATURES

Acoustic Zoning and Planning

The school identifies quiet, mixed, and louder areas with a clear acoustic design plan to manage sound effectively.

Background Noise Control

Classrooms are designed to limit background noise, ensuring clear teacher communication and reducing distractions.

Reverberation Management

Acoustic ceiling systems and wall treatments reduce echo, improving speech clarity and supporting diverse learning needs.

Sound-Absorbing Materials

Materials with sound-absorbing properties are selected for major spaces to keep noise levels comfortable throughout the day.

KEY WELL FEATURES

Indoor Light and Visual Acuity

Ensures sufficient and comfortable light levels in occupied spaces to support learning and daily activities without discomfort.

Circadian Lighting Design

Combines electric lighting and daylight to enhance alertness and maintain natural sleep-wake patterns for students.

Daylight and Solar Shading

Windows and shading devices bring daylight inside while controlling glare and heat for comfort and efficiency.

Lighting Quality Enhancements

High-quality light sources improve color rendering and flicker management to reduce eye strain and headaches.

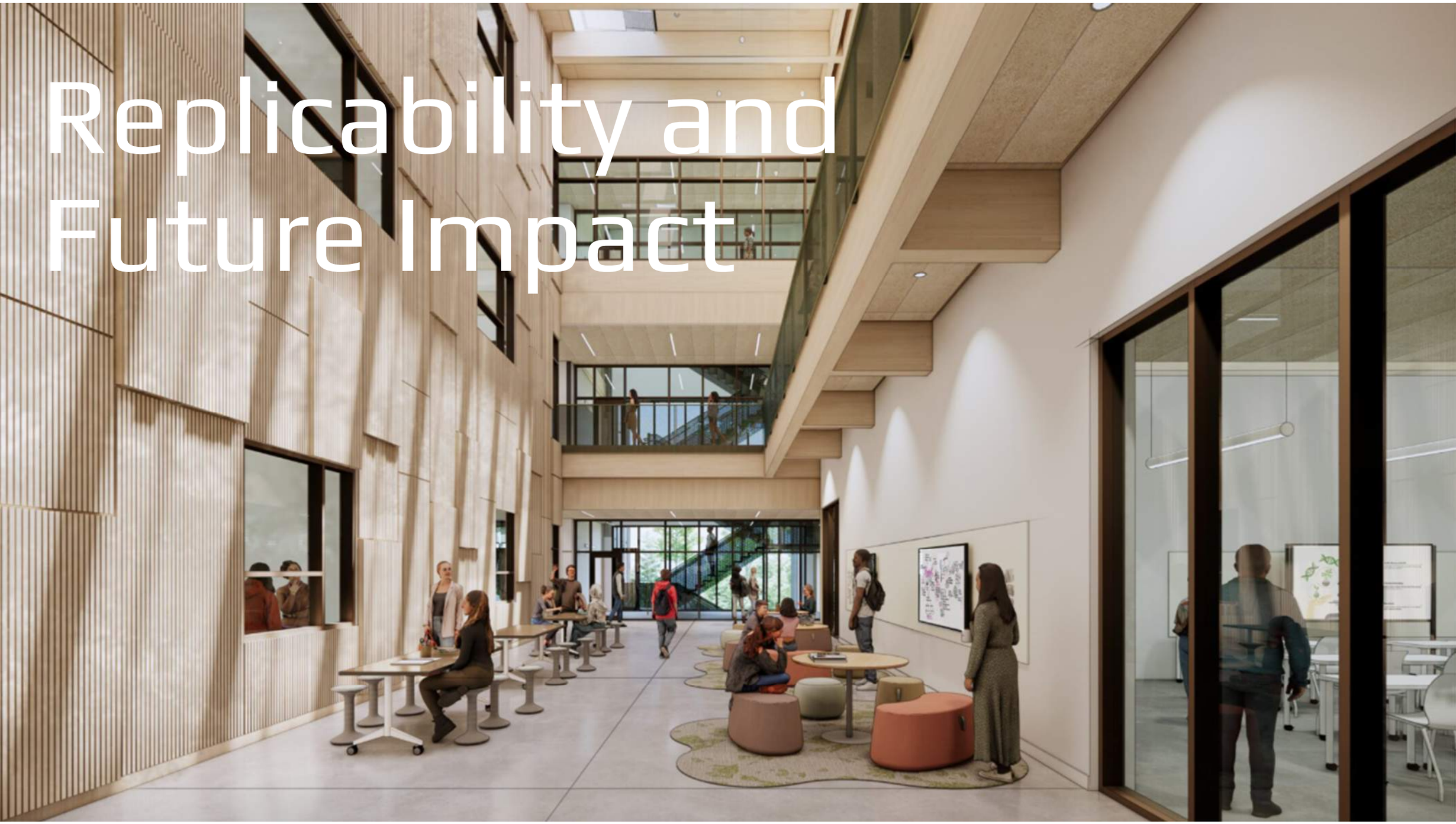
KEY WELL FEATURES

Restorative Space, Indoor & Outdoor Nature Access

- Use of wood finishes, earth-tone colors, and nature-inspired patterns create a calm, biophilic indoor environment for students.
- Large windows and skylights in occupied spaces that provide views of trees, sky, and landscaped areas to reduce stress and improve focus.
- Safe and accessible outdoor areas encourage learning, recreation, and social interaction while connecting visually to indoor spaces.
- Biophilia

Connection to Outdoors & Biophilic Design

Replicability and Future Impact



outdoor learning


comfortable, flexible furniture, natural light
LAKE FLATO


modus studio
We shape our buildings, and
Afterwards our buildings shape
us.
Winston Churchill
WOODLAND


Thank You
Are there any questions?