

#edspace

# EDspaces

Designing the Future of Education

Columbus, OH | November 5-7, 2025

**From Former Farmland to Future Classrooms:**  
Sowing Seeds of Sustainability in Architecture and Curriculum

November 5th - 8:00 am



# From Former Farmland to Future Classrooms:

Sowing Seeds of Sustainability in Architecture and Curriculum

The 28 acre site occupies the edge between the burgeoning sub/urban character of northeast Fayetteville and the historically agricultural roots of Washington county





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**Learning Objective 1:** Enable students to understand and apply principles of human and resource sustainability through immersive, outdoor experiential learning. Outcome: Explore how students will actively participate in sustainability-focused outdoor projects, such as habitat restoration, waste management practices, and renewable energy experiments, gaining real-world insights into conserving resources and promoting sustainable living.

**Learning Objective 2:** Foster critical thinking and problem-solving skills using performance-based, hands-on pedagogy aligned with the Next Generation Science Standards. Outcome: Identify how students will develop innovative solutions to environmental challenges, applying interdisciplinary scientific concepts and sustainability strategies in outdoor settings while cultivating teamwork and leadership skills.

**Learning Objective 3:** Evaluate the design strategies employed in the new Woodland Junior High School building that foster a functional, student-centered learning environment, highlighting the integration of biophilic design principles and mass timber construction, while supporting FPS's sustainability-focused educational goals.

**Learning Objective 4:** Demonstrate how the adaptive reuse of historic barns into outdoor classrooms and greenhouses, coupled with sustainable design elements like WELL and LEED certification, supports FPS's outdoor experiential learning goals. Developed with input from students, teachers, and the school board, these features offer a dynamic, hands-on learning experience that emphasizes preserving community heritage and fostering outdoor education.



1



**VISION**

2



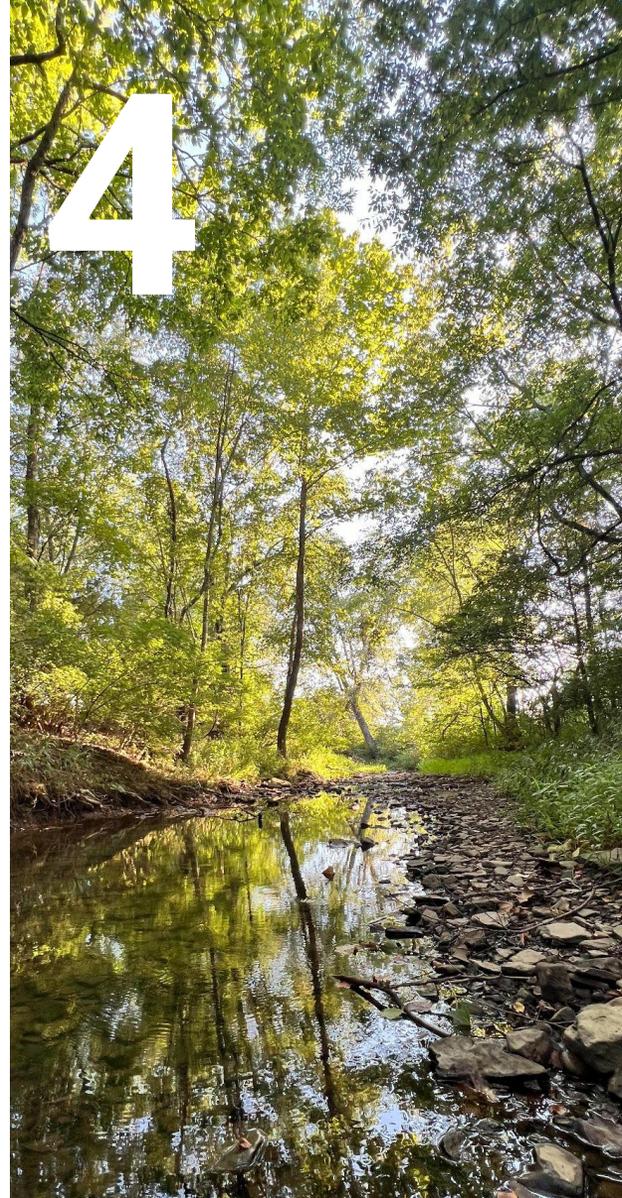
**DESIGN**

3



**ACTIVATE**

4



**ENGAGEMENT**

1



# Why this Matters: The Vision and Challenge Behind the Project



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01

## Curriculum & Instruction

- **Goal 1:** Expand and Embed Outdoor Education Across the Curriculum
- **Goal 2:** Empower Students Through Authentic, Project-Based Sustainability Learning

02

## Facilities & Operations

- **Goal 1:** FPS will empower student-led action to reduce environmental impact and improve operational efficiency.
- **Goal 2:** FPS will use operational data to guide facility improvements and provide real-world learning opportunities for students.

03

## Leadership

- **Goal 1:** Promote collaborative leadership that embeds sustainability in all initiatives.
- **Goal 2:** Showcase sustainability efforts that enhance learning, wellness, community, resilience, and fiscal health.

04

## Culture & Climate

- **Goal 1:** Strengthen community engagement in FPS sustainability through clear communication and involvement.
- **Goal 2:** Model sustainable practices throughout the FPS educational ecosphere.

CHICE

2025-26

# MIDDLE SCHOOL

## CHOICE PROGRAMMING









2



## How the Vision Became Design

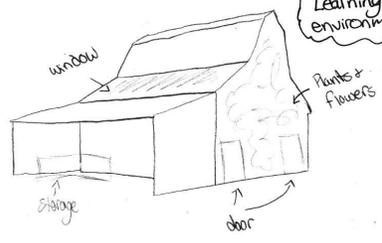


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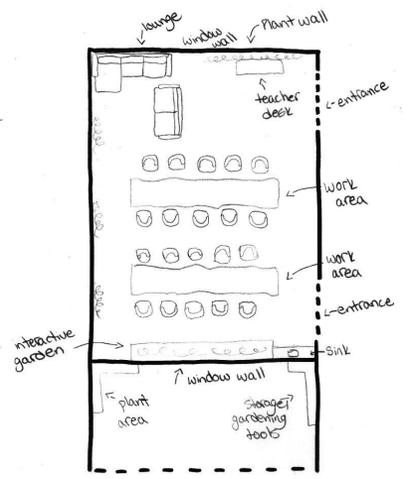


Open Learning environment

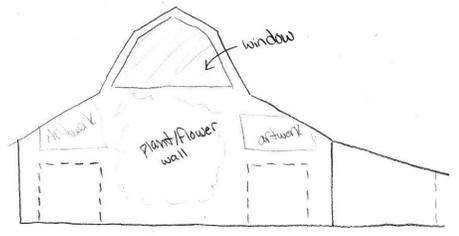


- \* lots of light
- \* open space
- \* LOTS of plants and flowers
- \* interactive learning space

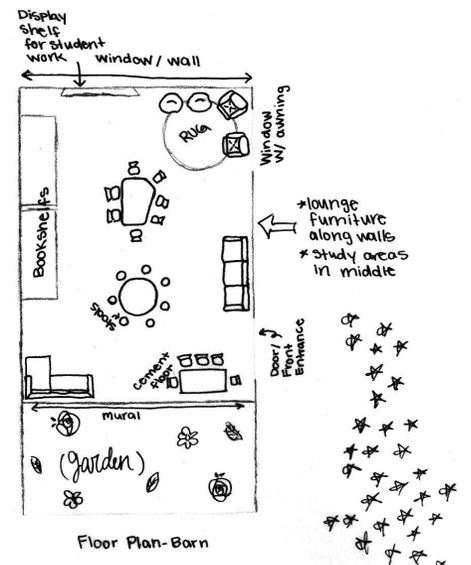
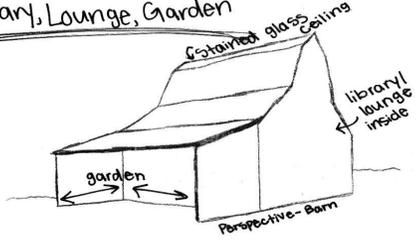
cece = plants

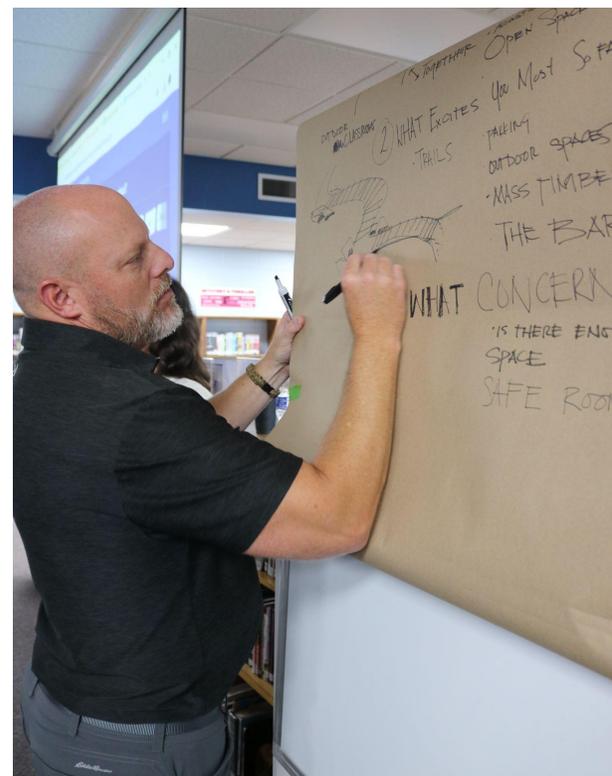


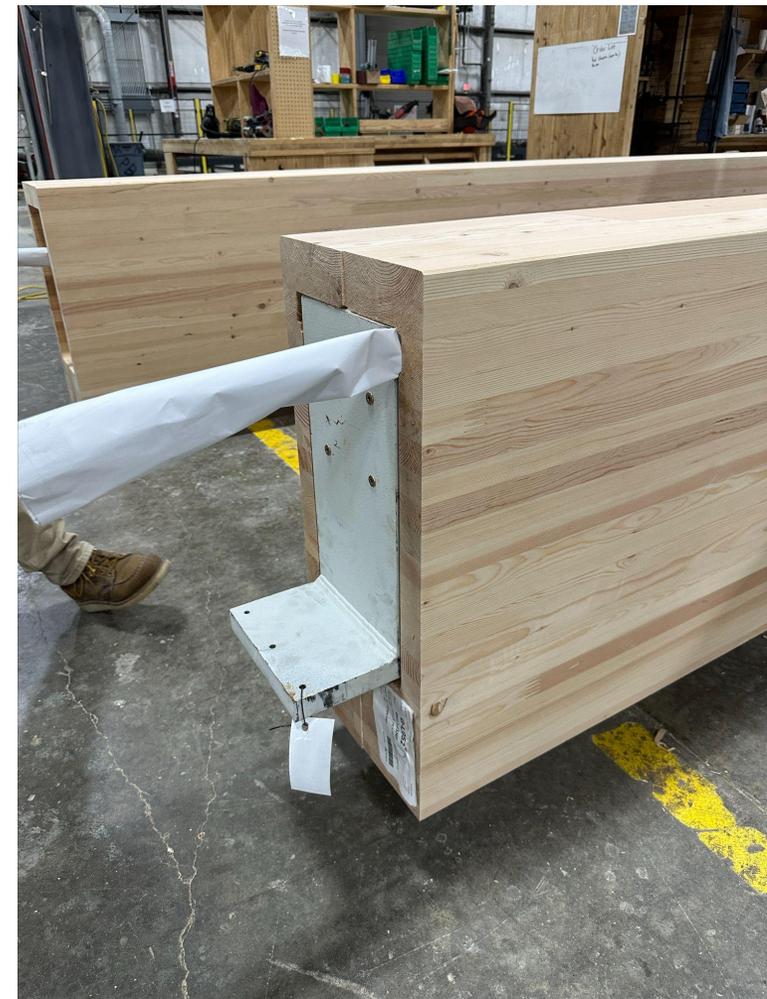
Agriculture



Library, Lounge, Garden











We want to be **good stewards** of all the resources we are given including natural resources.

We want a **small footprint**, and we want the entire building to be a learning tool to the students - **a learning tool for life.**

We want to “**bring the outside inside and the inside outside.**”

We want to **minimize consumables** and **maximize the outside spaces.**

We want our school to be a **shining star** and an **example to other schools in Arkansas.**







existing trees to remain

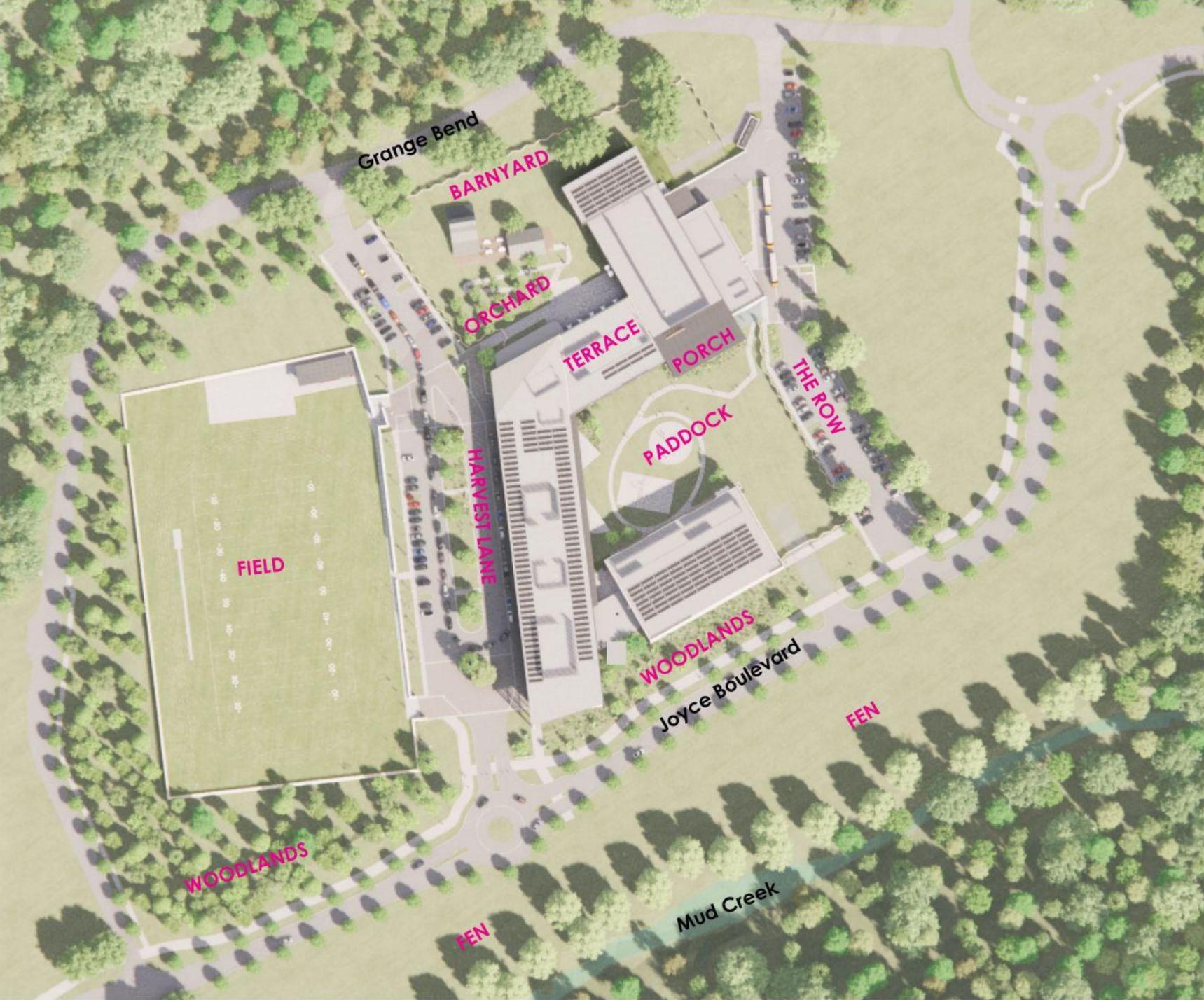
existing barns  
(to be preserved/renovated)

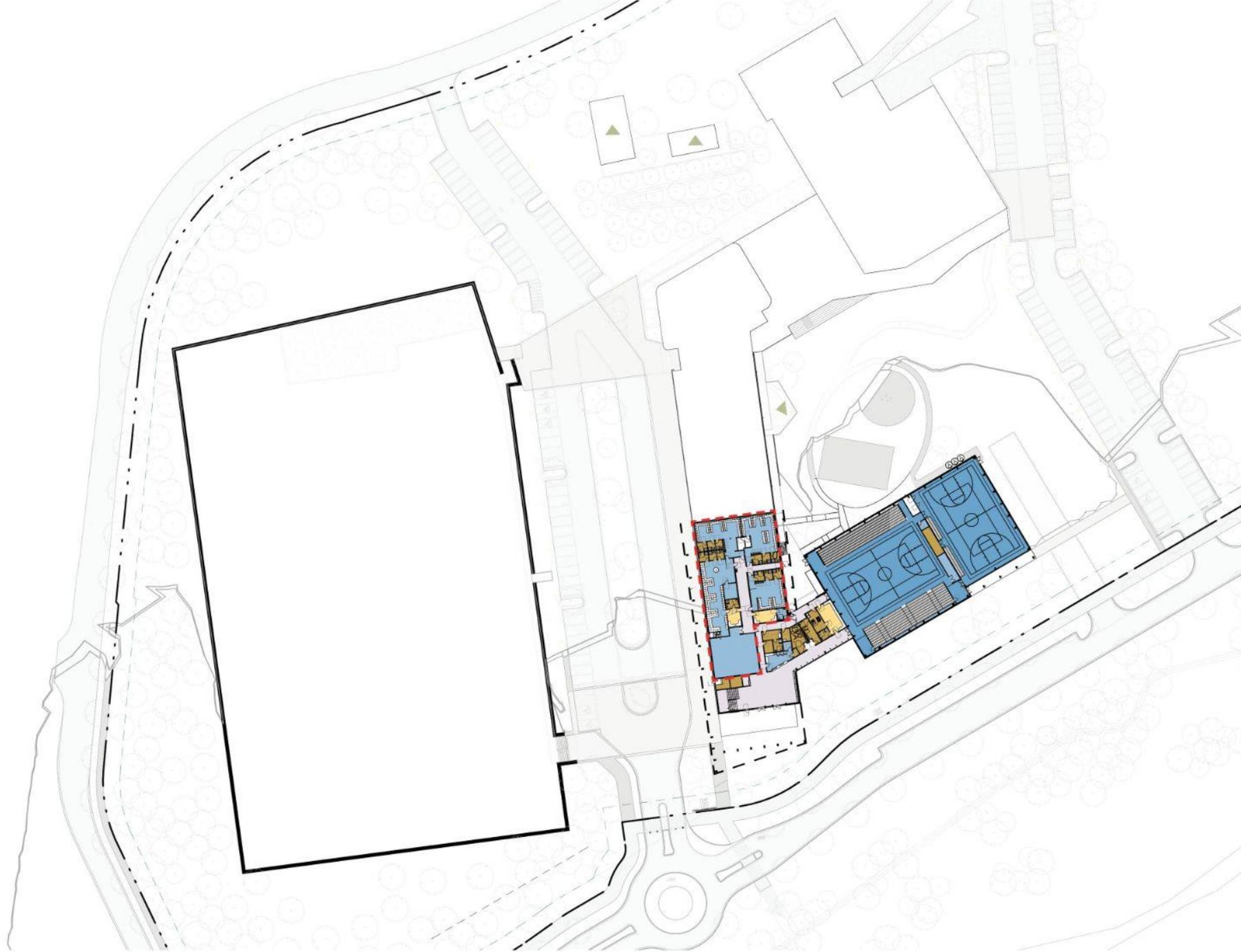
existing Joyce Boulevard  
to remain for neighbor  
access and future car/bus  
queuing

new road extension

43' of topographic change

proposed roundabout  
(final position shifts with design  
concepts being explored)





**PROGRAM LEGEND**

- classrooms
- labs
- administration
- building support
- library
- cafeteria
- gym
- gym support
- band
- circulation
- outdoor learning
- level above
- property line
- site setback
- storm shelter

PARKING:  
 153 on property  
 +23 on joyce  
 = 176 total spaces



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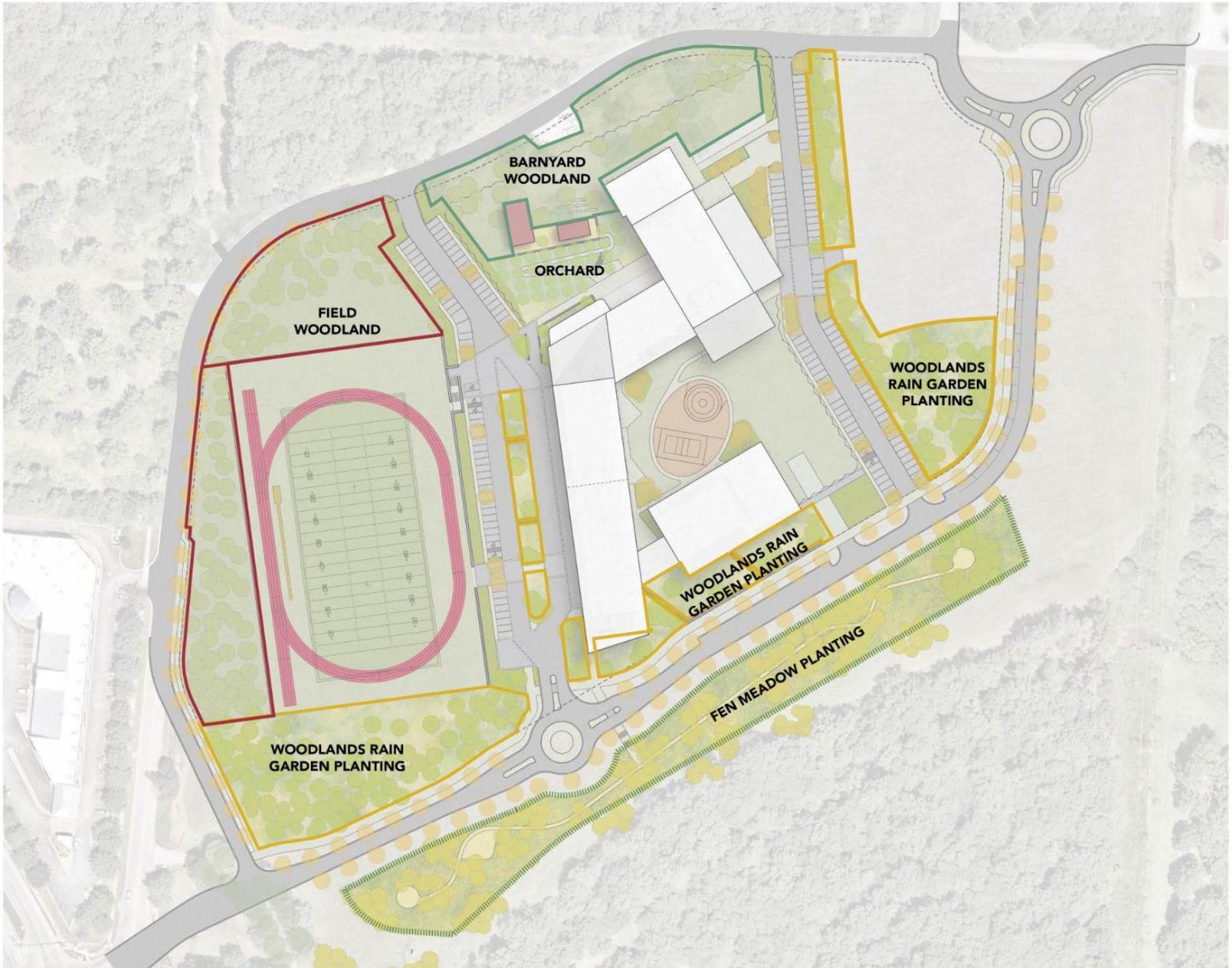
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**outdoor classrooms -  
large barn**



**outdoor classrooms -  
greenhouse**



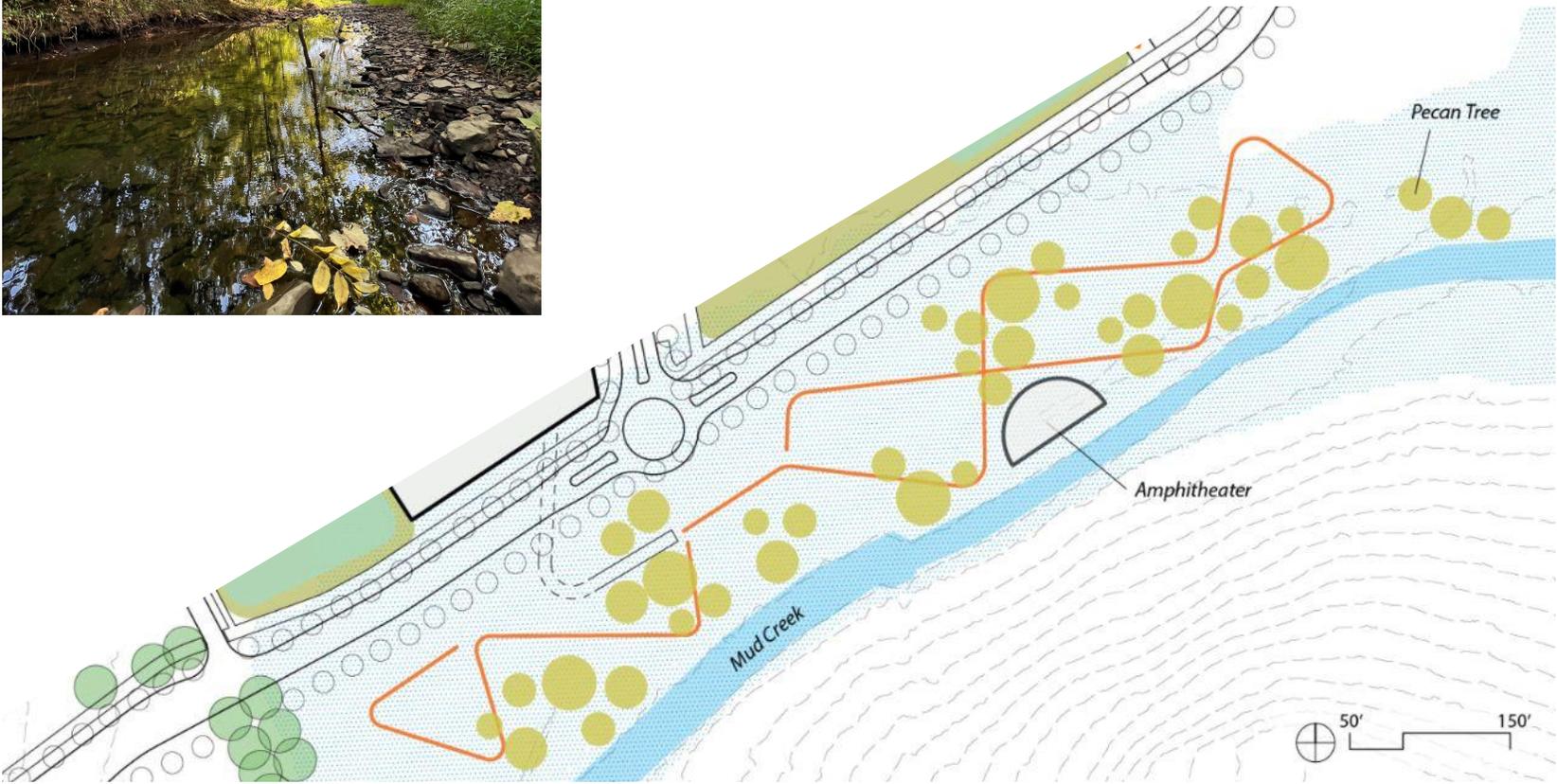
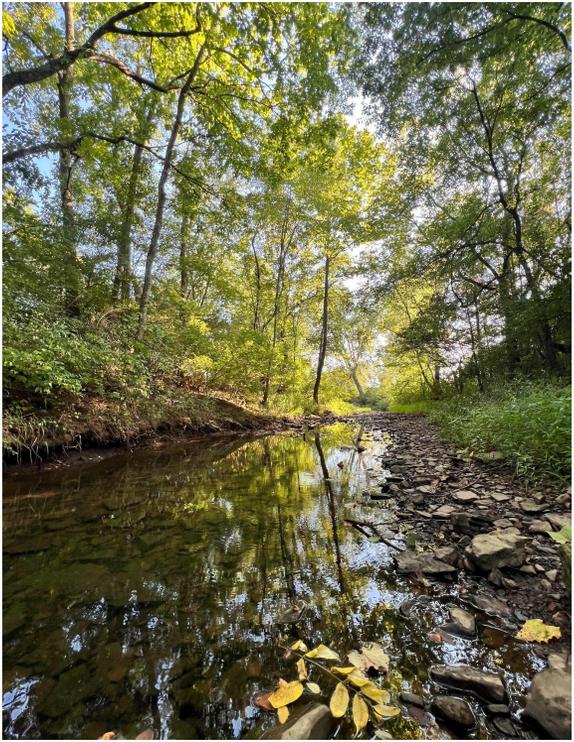
**outdoor classrooms -  
covered terrace**



**outdoor classrooms -  
paddock circles**



# outdoor classrooms - Mud Creek







WOODLAND  
JUNIOR HIGH SCHOOL

ENTRANCE



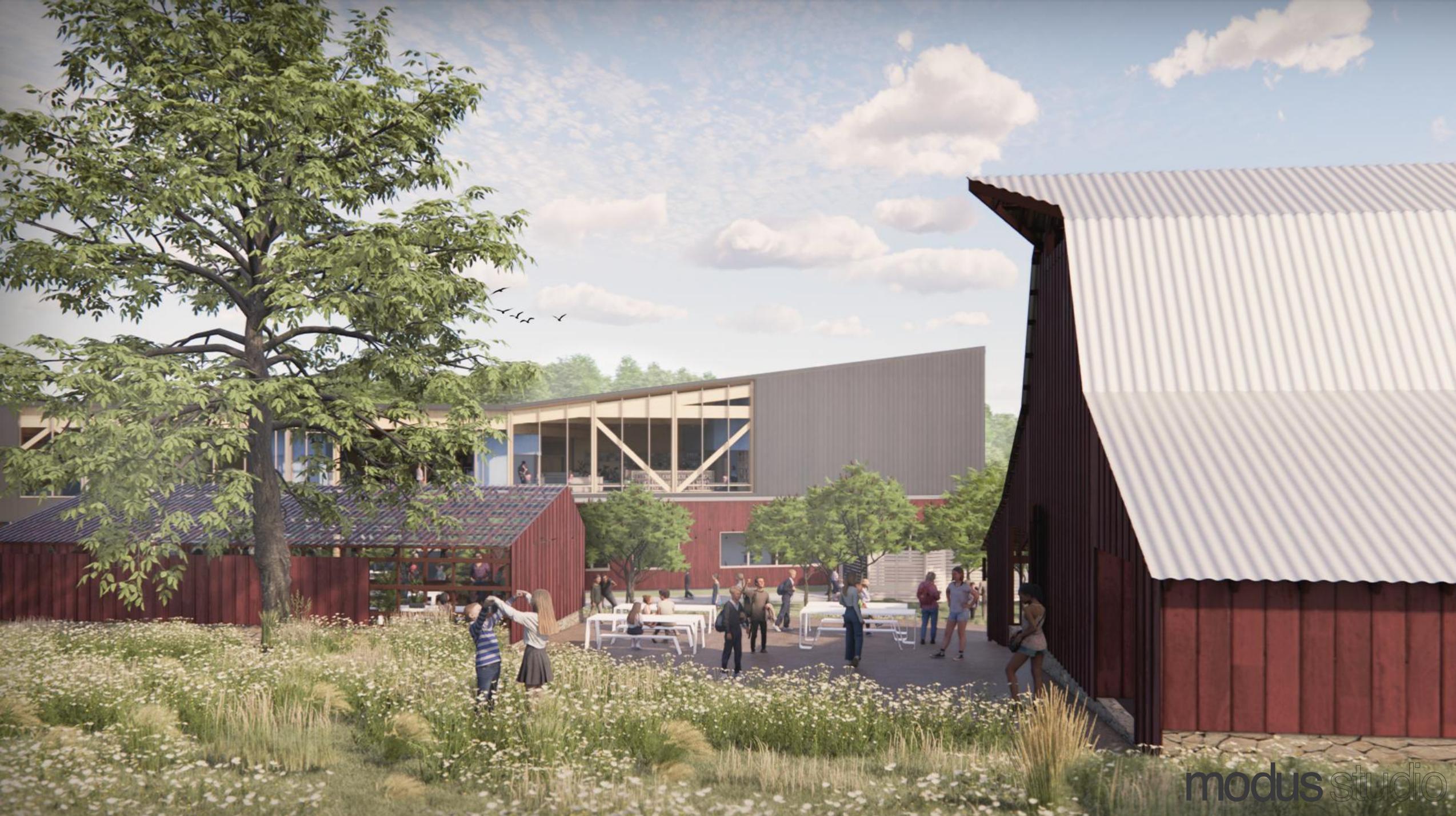
GYMNASIUM

WOODLAND

















is a Rule, Paid Results  
DO NOT DIRECTLY  
Effect Organic Rankings

however:

- 1) Searchers who see an  
ad may be more likely  
to click on organic listing
- 2) Searchers who've been  
exposed to a site/brand  
via ads may be more likely  
to click on organic placement
- 3) Paid results can strongly  
impact organic CTR in  
certain queries









3



## Outdoor Spaces as Extensions of the Classroom



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The book proposes outdoor education as an alternative teaching practice to address pressing issues such as climate change, pandemics, social inequality, and mental and physical health. Implications: Beames et al's work contributes to the broader conversation on education and sustainability, advocating for a more holistic approach to teaching that prepares students to be responsible beings of the world.

Aguayo, J. E. (2025). Book Review: Outdoor Learning Across the Curriculum: Theory and Guidelines for Practice. *Journal of Experiential Education*, 48(1), 213–217. <https://doi.org/10.1177/10538259241260647>

THEME: OZARK WATERWAYS (JULY 7-10)

Activity / Session Times	Monday	Tuesday	Wednesday	Thursday
8:00-8:30	Breakfast/Morning Welcome	Breakfast/Morning Welcome	Breakfast/Morning Welcome	Breakfast/Morning Welcome
8:30-9:00	This is Arkansas/ SC & SS GROUNDWATER BASICS:  <a href="#">Dr. Williams Created Video about Arkansas Waterways and sources</a>	This is Arkansas/ SC & SS	This is Arkansas/ SC & SS	<b>*Roaring River State Park with Justin Keen</b> (1) We will eat a "light" breakfast at 8:00 AM, do the morning welcome, (2) leave the building at 8:30, "make sure to load the lunches provided", (3) stop somewhere to allow for a restroom break, (4) continue to Roaring River, and begin fishing at 10:30. (5) Sacked, School Lunch at 12:00. (6) Play after lunch. Leave by 1:30 PM, (7) restroom stop on the way back, (8) return at 3:30 for parent pick up or bus drop off.
9:00-10:00	Visit to Library	<b>Johnelle Hunt Family Ozark Highlands Nature Center</b> Independent Teacher Led Tour: (1) Visit Main Exhibit Hall Our large exhibit hall is self-guided and perfect for students to learn and play. The Hall includes interactive exhibits on hunting, fishing and wildlife. Spend time at the huge aquarium full of native fish species, and view live animals on exhibit. (2) Towering Observations Follow the trail to an observation platform located in the middle of the nature center grounds. Students will use an activity guide to locate, sketch, list sounds, and identify features.	Literacy Block	
10:00-10:30	Physical Activity		Physical Activity	
10:30:00 AM-11:00	READ: All about groundwater Activities BUILD: <a href="#">Edible Aquifer</a> BUILD: <a href="#">Aquifer in a Cup</a> CREATE: Water Cycle Bracelets <a href="#">At Home STEM Kit</a>		Creative Block	
11:00-11:30	Math integrated Content	Math integrated Content	Math integrated Content	
11:30-12:00	SEL: <a href="#">EMOJI EMOTICONS</a> /LUNCH	SEL/LUNCH	SEL/LUNCH	
12:00-3:30				

THEME: OZARK CAVES (JULY 14-17)

Activity / Session Times	Monday	Tuesday	Wednesday	Thursday
8:00-8:30	Breakfast/Morning Welcome <a href="#">Adventure Arkansas: War Eagle Caving</a>	Breakfast/Morning Welcome	Breakfast/Morning Welcome	Breakfast/Morning Welcome
8:30-9:00	This is Arkansas/ SC & SS <a href="#">Explore the Hidden and Fragile World Inside Caves</a>   Short Film Showcase	This is Arkansas/ SC & SS; <a href="#">Dr. Williams narrated film "Title: Caves: Earth's Underground Treasures"</a>	This is Arkansas/ SC & SS <a href="#">Sedimentation Jar:</a>	FIELD TRIP DAY* <b>WAR EAGLE CAVERN</b> ; Sack Lunch Provided Leave School Immediately following Breakfast and Morning Welcome
9:00-10:00	Literacy Block	Literacy Block	Literacy Block	<b>WAR EAGLE CREEK CRITTERS CLASS</b> : Third and fourth Grade will alternate between the cave tour and the creek critters class with Beaver Water District Education Trainers
10:00-10:30	Physical Activity	Physical Activity	Physical Activity	8:30 Leave School
10:30:00 AM-11:00	Creative Block	Creative Block: <a href="#">Video CAVE ART</a> Cave Art drawings	Creative Block	9:30 Third Grade Cavern/4th Grade Creek 11:00 Fourth Grade Cavern/3rd Grade Creek
11:00-11:30	Math integrated Content	Math integrated Content	Math integrated Content	12:30 LUNCH ALL By War Eagle Mill Guy GM of War Eagle Mill/Cavern
11:30-12:00	SEL/LUNCH	SEL/LUNCH	SEL/LUNCH	Meghan Post, Education Coordinator
12:00-3:30				Beaver Water District Ph. # 479-756-3651 Group Rate: \$11 X 40 (1 free adult for every 10 kids). \$440 for War Eagle

THEME: FARM TO TABLE (JULY 21-24)

Activity / Session Times	Monday	Tuesday	Wednesday	Thursday
8:00-8:30	Breakfast/Morning Welcome	Breakfast/Morning Welcome	Breakfast/Morning Welcome	Breakfast/Morning Welcome
8:30-9:00	This is Arkansas/ SC & SS: <b>Nature Walk Lake Fayetteville and Archery</b>	<b>Field Trip to the Botanical Gardens; CONFIRMED</b>	Jones Center Swimming and Play Field Trip Chloe Honeycutt Fri, Apr 11, 3:18 PM to me, Allie, Jeff, Dina July 23rd also works! Event Specialist Work: 479-725-4536  <b>CONFIRMED</b>	Justin working on trip to a farm or ranch. 7/21 Update: U of A Calf Ranch 9-11:00am, lunch location-TBA, Fayetteville Farmer's Market 12-1:00pm, Archery @ Asbell 1:30-3:00pm.
9:00-10:00				
10:00-10:30				
10:30:00 AM-11:00				
11:00-11:30	Literacy Block	Math integrated Content	Literacy Block	
11:30-12:00	SEL/LUNCH	SEL/LUNCH	SEL/LUNCH	
12:00-3:30				

THEME: MUSIC AND ART OF NORTHWEST ARKANSAS AND OZARKS (JULY 28-31)

Activity / Session Times	Monday	Tuesday	Wednesday	Thursday	
8:00-8:30	Breakfast/Morning Welcome <a href="#">Experience Arkansas: Five Inspiring Art Adventures</a>	Breakfast/Morning Welcome	Breakfast/Morning Welcome	Breakfast/Morning Welcome	
8:30-9:00	This is Arkansas/ SC & SS	<b>Field Trip Community Creative Center*</b> 505 W. Spring Street Fayetteville, AR 72701 (479) 571-2706 Creative ART Experience  <b>CONFIRMED</b>	This is Arkansas/ SC & SS	<b>FIELD TRIP TO CRYSTAL BRIDGES</b> Lunch provided by Walton Foundation  Your Scheduled Tour: · Tour Date: July 31st · Tour Time: 10:30 AM · Number of Students: 40  <b>Tour Name: The Writing is on the Wall</b>  - Itinerary: · 10:30-11:30 Tour · 11:30-12:00 Lunch · 12:00-Departure Self-Guided Free Time Students stop at the Bentonville Playground by ART MUSEUM <b>CONFIRMED</b>  12:10-12:40 Playground 12:40-1:30 Return to Asbell for Parent Pickup on Bus Ride Home	
9:00-10:00	Literacy Block		Literacy Block		
10:00-11:00	<b>Kelly &amp; Donna from Still on the Hill. (BLUEGRASS PERFORMANCE)</b> Kelly & Donna of Still on the Hill are award winning 'story telling-song writers'. Different than most singer-songwriters, this dynamic duo embellishes their songs with a host of unique instruments from the hills they call home. Many of these were hand-made by old-timers and have amazing stories that go with them. Their 'low tech' Power Point has become a trademark of shows. Every song has a photo quilt to go with it. A picture is worth a 1,000 words. <b>CONFIRMED</b>		Physical Activity		
10:30:00 AM-11:00			<b>FAYETTEVILLE PUBLIC LIBRARY ALL-MAGIC SHOW</b>  <b>CONFIRMED</b>		
11:00-11:30	Math integrated Content	<a href="#">ARTIST MAKER STATEMENT LITERACY</a>			
11:30-12:00	SEL/LUNCH	SEL/LUNCH	SEL/LUNCH		
12:00-3:30					

A traditional classroom setting limits creativity and freedom. Thus, the educator promotes cooperation and motivates the students by moving the lesson to an outdoor setting. The students find the change of scenery refreshing and look forward to seeing what will happen next. They actively participate in the lesson and participate in the classroom and frequently ask questions. Changing the scenery through physical movement or imaginative setups keeps learning dynamic and fosters higher engagement.

Maryna Hattingh. (2025). Promoting Student Engagement through a Change of Scenery. *Journal of Inquiry Based Activities*, 15, 22–28.



4



**Apply, reflect, and carry the  
story forward**



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**How can outdoor spaces in your schools teach sustainability?**

**What partnerships could support this?**

Sketch, write, and share your sustainable learning ideas.  
Consider ecology, materials, climate, and community.

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# Thank You!

Please scan the QR code to provide session feedback.



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3. Locate and select the session you are attending
4. After opening the individual session page, tap the "Session Survey" link to evaluate the session.

# Thank You!

Please scan the QR code to provide session feedback.

