Nature is

Necessary:
A Case for Outdoor
Learning Environments



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SURVEY:

How does time in nature make you feel?

menti.com voting code **6934 7047**



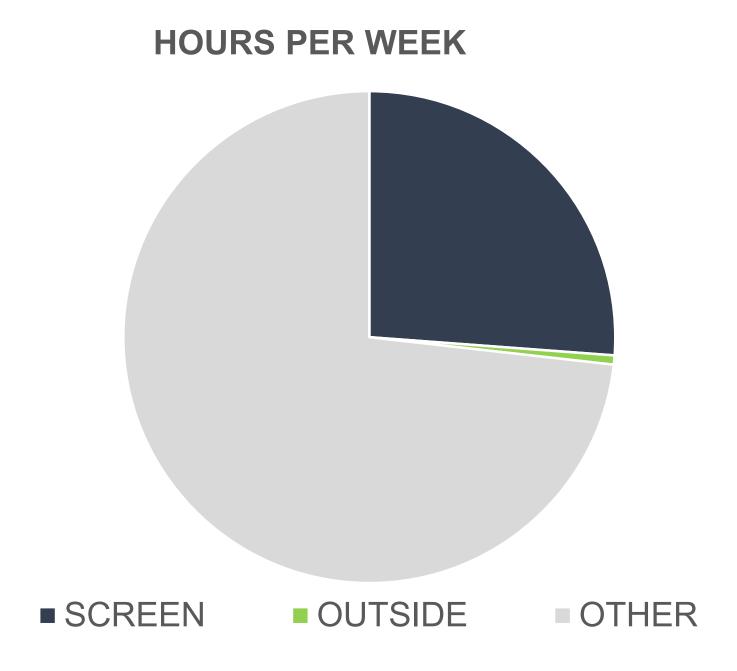


WHY IS NATURE NECESSARY?

Children today spend up to 44 hours a week in front of a screen and less than 10 minutes a day playing outdoors.

Studies show that **prisoners** get more time outside than school kids.

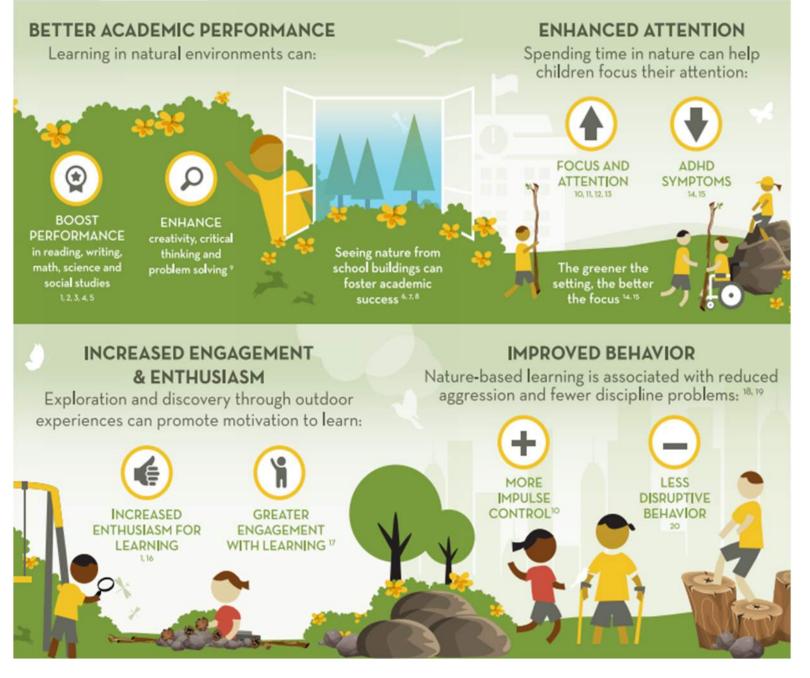
Children aged 10 to 16 now spend only 12.6 minutes a day on vigorous outdoor activity compared with 10.4 waking hours being relatively motionless*.



*Information provided by the CDC. More information can be found on their website.

WHAT ARE THE BENEFITS?









WHAT ARE THE BENEFITS?

According to the Children & Nature Network, children engaged with the natural world have:



Better Social Skills



Increased Self-Esteem



Pro-Environment Behaviors



Stronger Emotional Connections to People and Nature



Enhanced Health



Improved Grades

WHAT IS THE PURPOSE?

Green schoolyards generate even greater academic progress among children suffering the effects of economic inequity, systemic racism or trauma—a breakthrough for helping narrow the growing chasm in opportunity between privileged students and everyone else.

(Kuo et al. 2019)

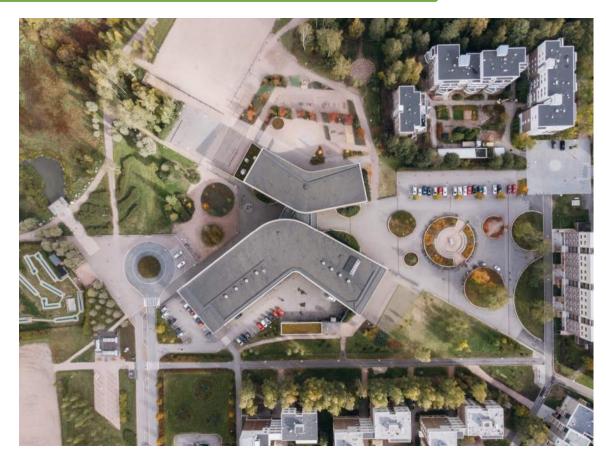




PLAY COURTS



BREAKING THE PAVING









OUTDOOR DINING

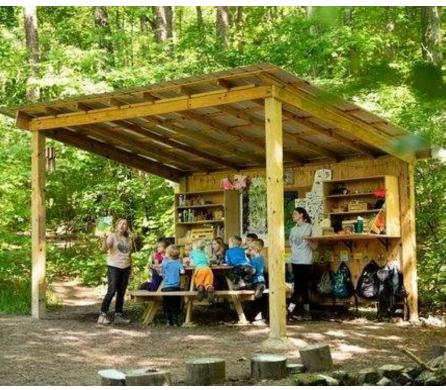












EDIBLE GARDENS













MULTI USE LAWN











GATHERING SPACES

















INCLUSION













PLAYGROUNDS













OUTDOOR CLASSROOMS

















JOURNEY & NATURE TRAILS





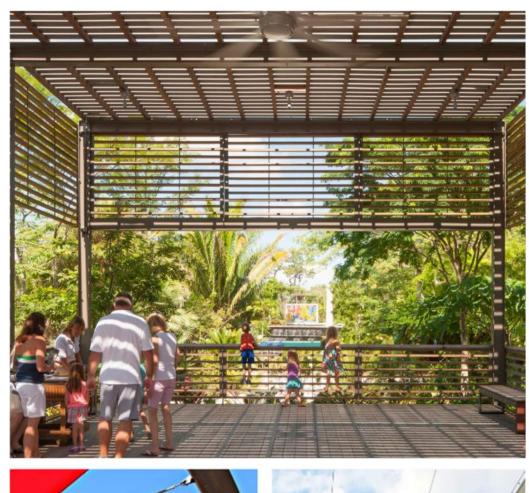




















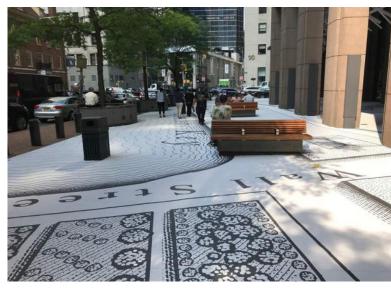




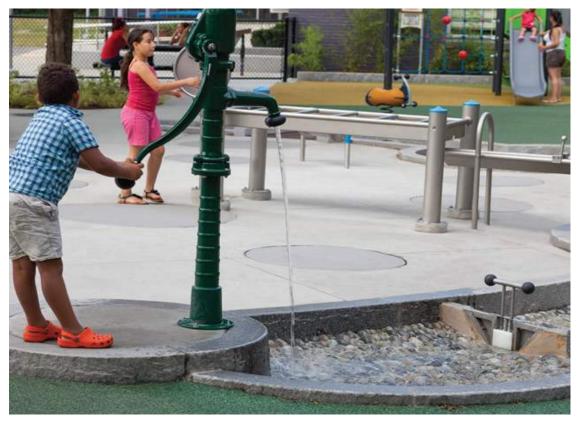
INTERACTIVE LEARNING

















NATURE BASED PLAY



















NATIVE LANDSCAPING



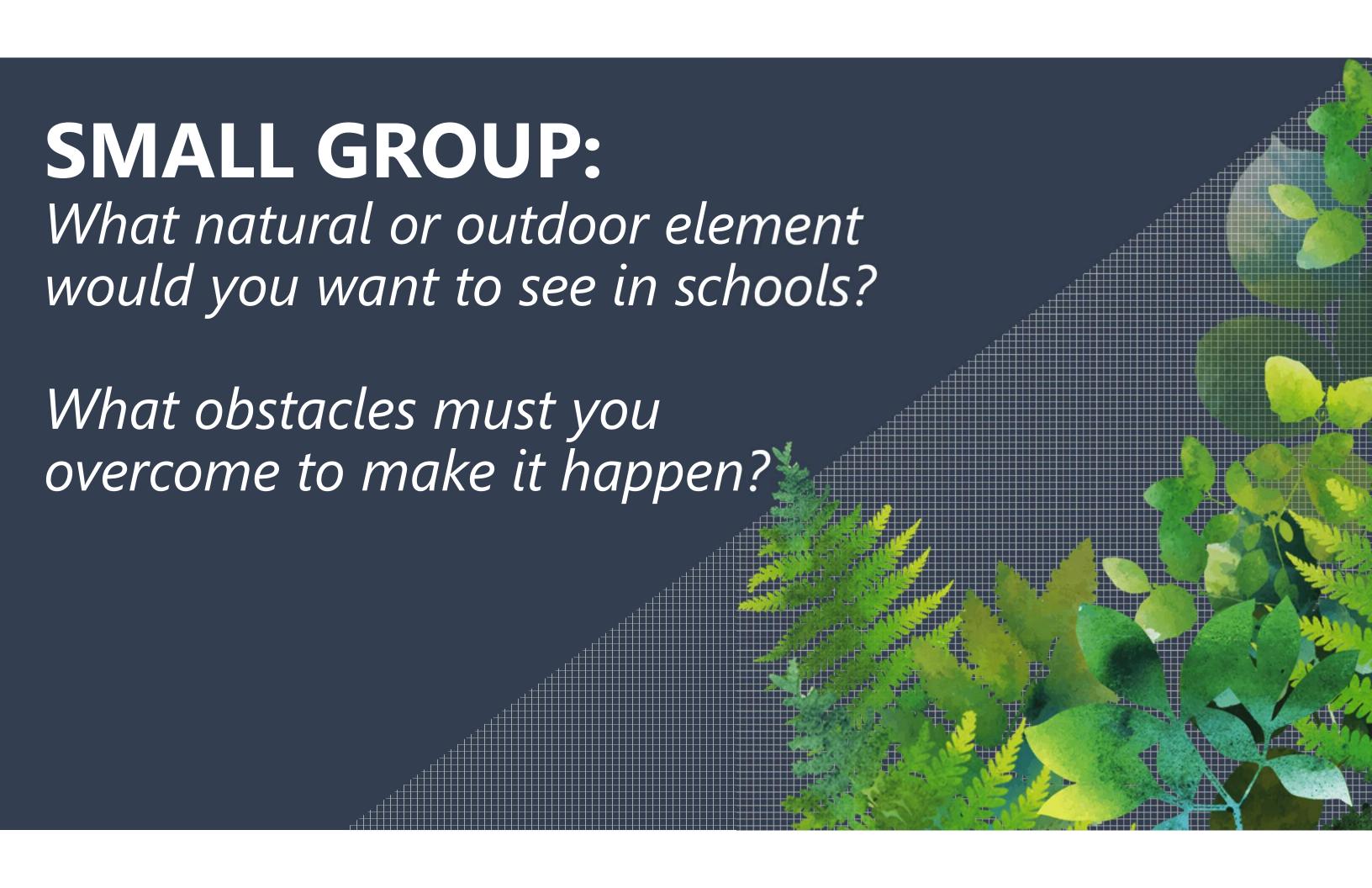












OBSTACLES TO OVERCOME

Maintenance



- Will it be harder to maintain?
- Does it have to be irrigated?
- What are the maintenance and operations cost implications?

Perception



- The site strategy is a departure from public K-12 facilities.
- Public perception of the site

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Cost

- Initial planning and execution costs
- How could this possibly save district money in maintenance and operations?

KEY COMPONENTS TO SUCCESS

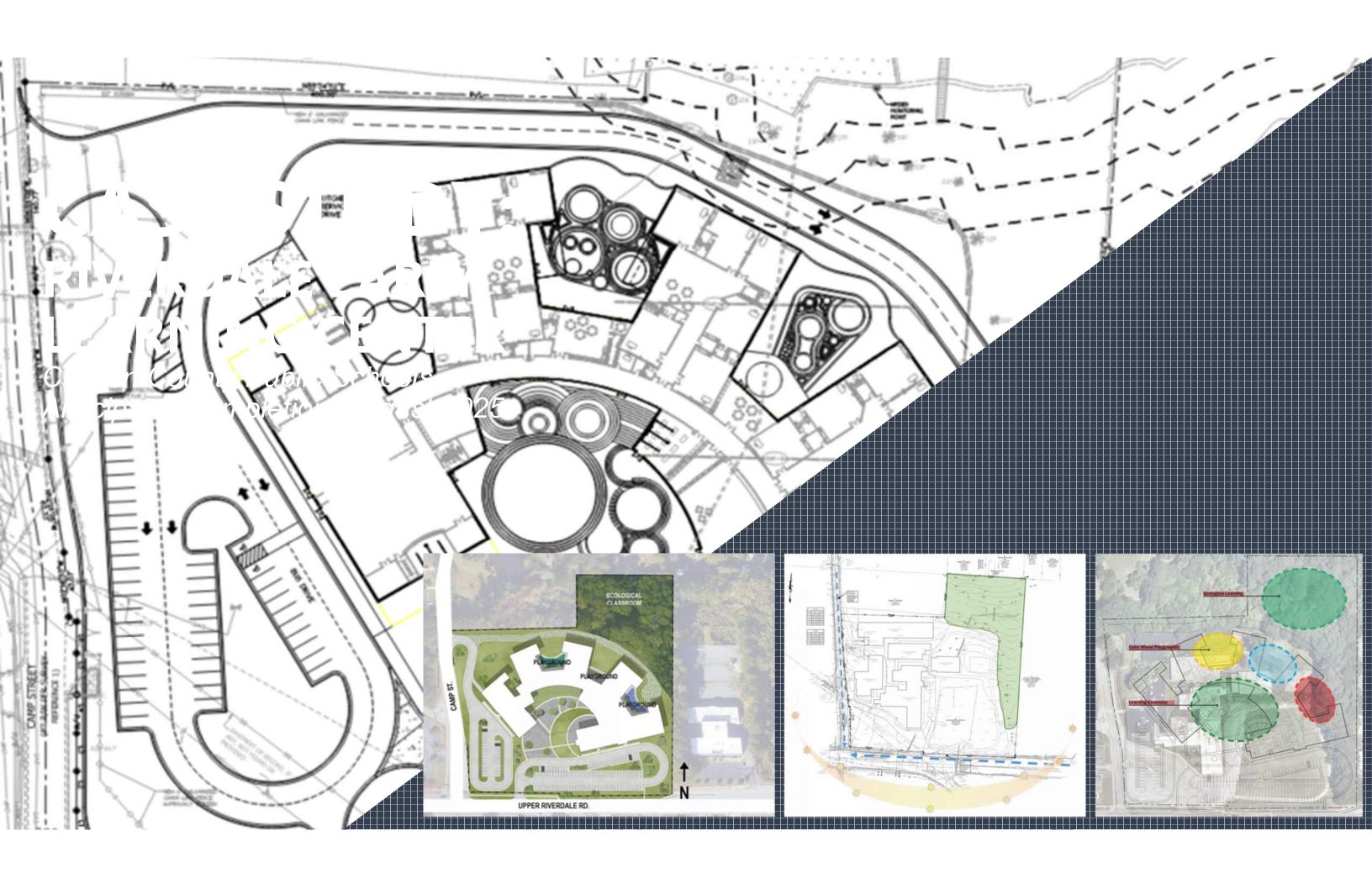


Accessibility

- Is it easily accessible for one to two teachers with a full class of students?
- Can outdoor spaces be monitored and properly secured?

Curriculum

- Does the current curriculum allow for outdoor learning?
- Can teachers and administrators be trained properly to use outdoor spaces?
- Would these spaces be used should administration change?



Clayton County, GA

Student population **52,149 (2021)**

47% Economically
Disadvantaged with
90.64% qualifying for
Free/Reduced Meals

14% English Learners

69% African American,24% Hispanic, 3% Asian,1% White, 3% Other

15% of 3rd grade students tested Proficient or Distinguished in English

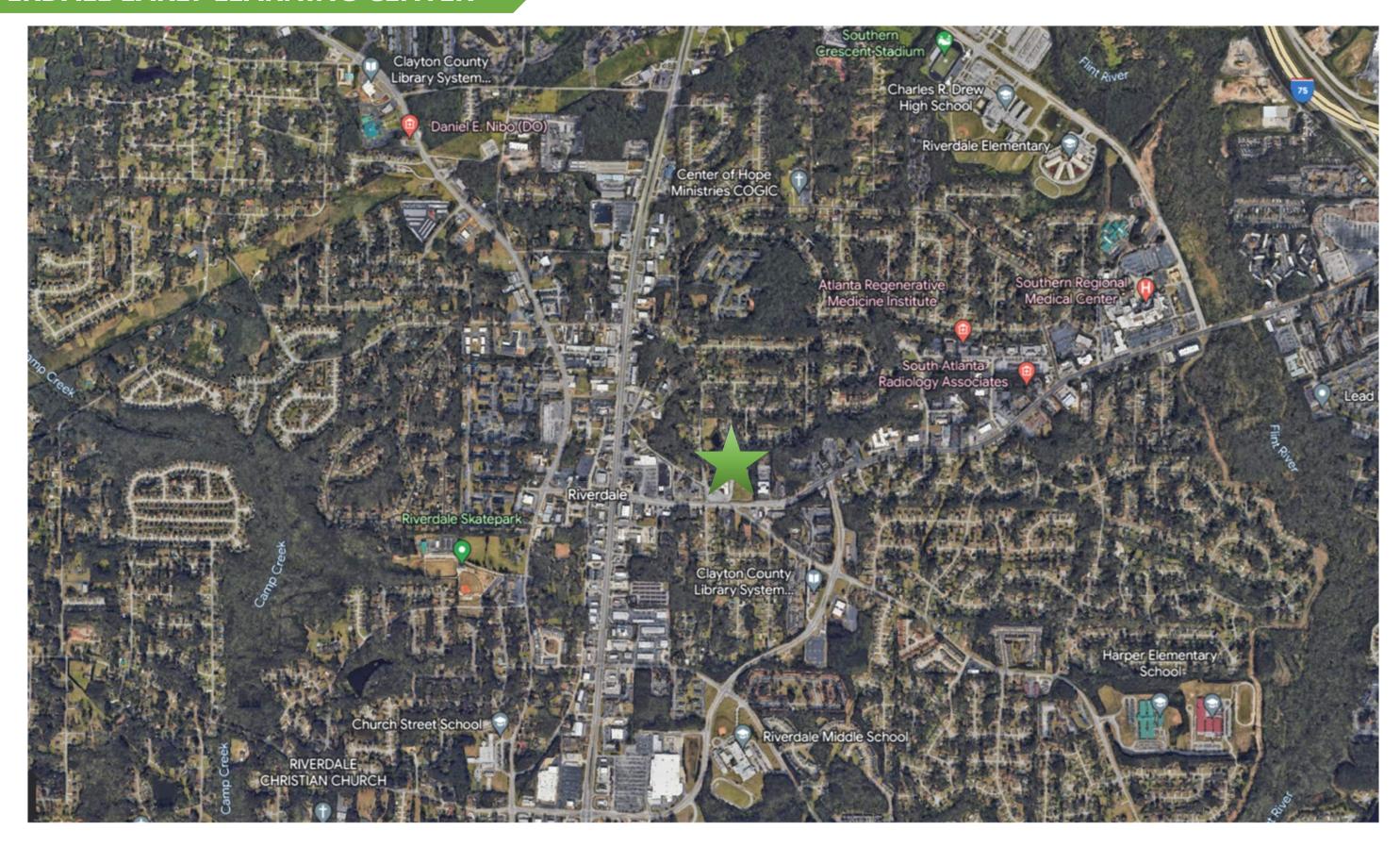
15% of 3rd grade students tested Proficient or Distinguished in Math

15% of Clayton County population live within .5 miles of a park or outdoor space.

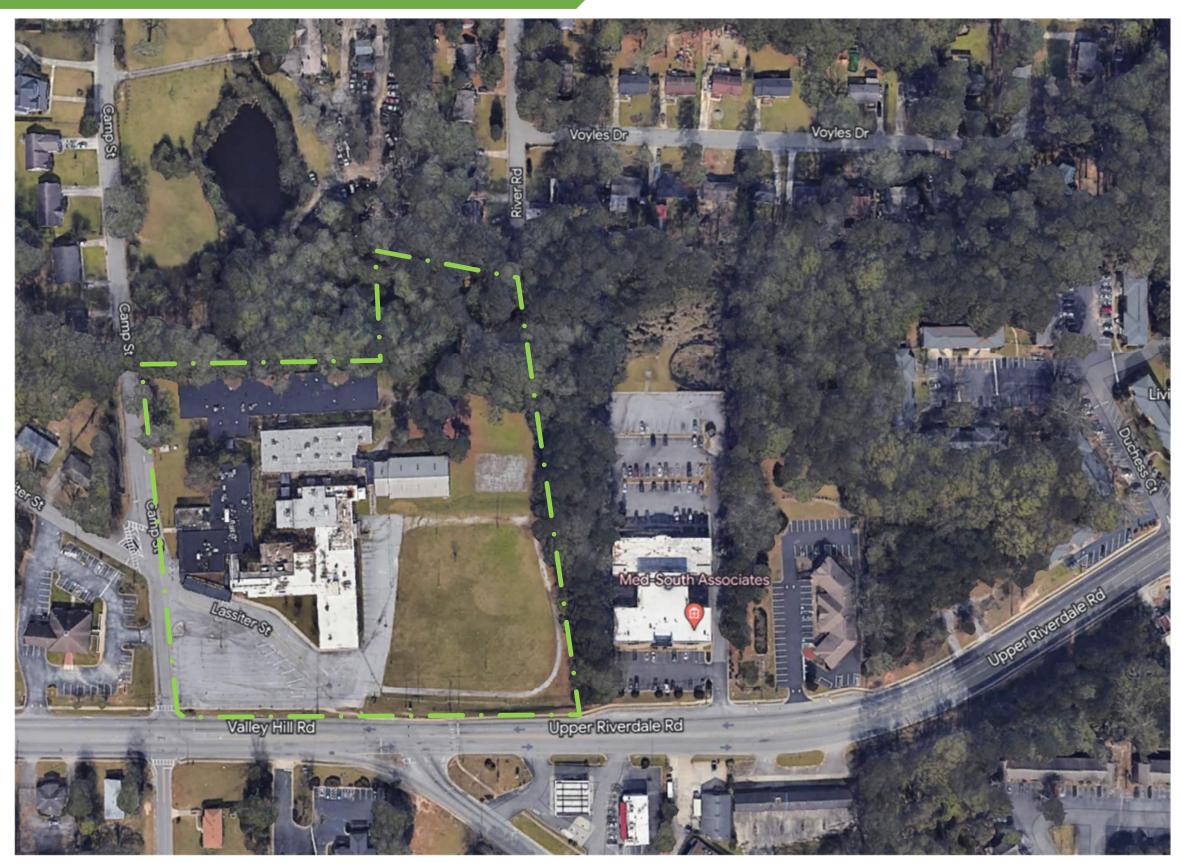
US average – 38%

>2,000 homeless students

RIVERDALE EARLY LEARNING CENTER



RIVERDALE EARLY LEARNING CENTER



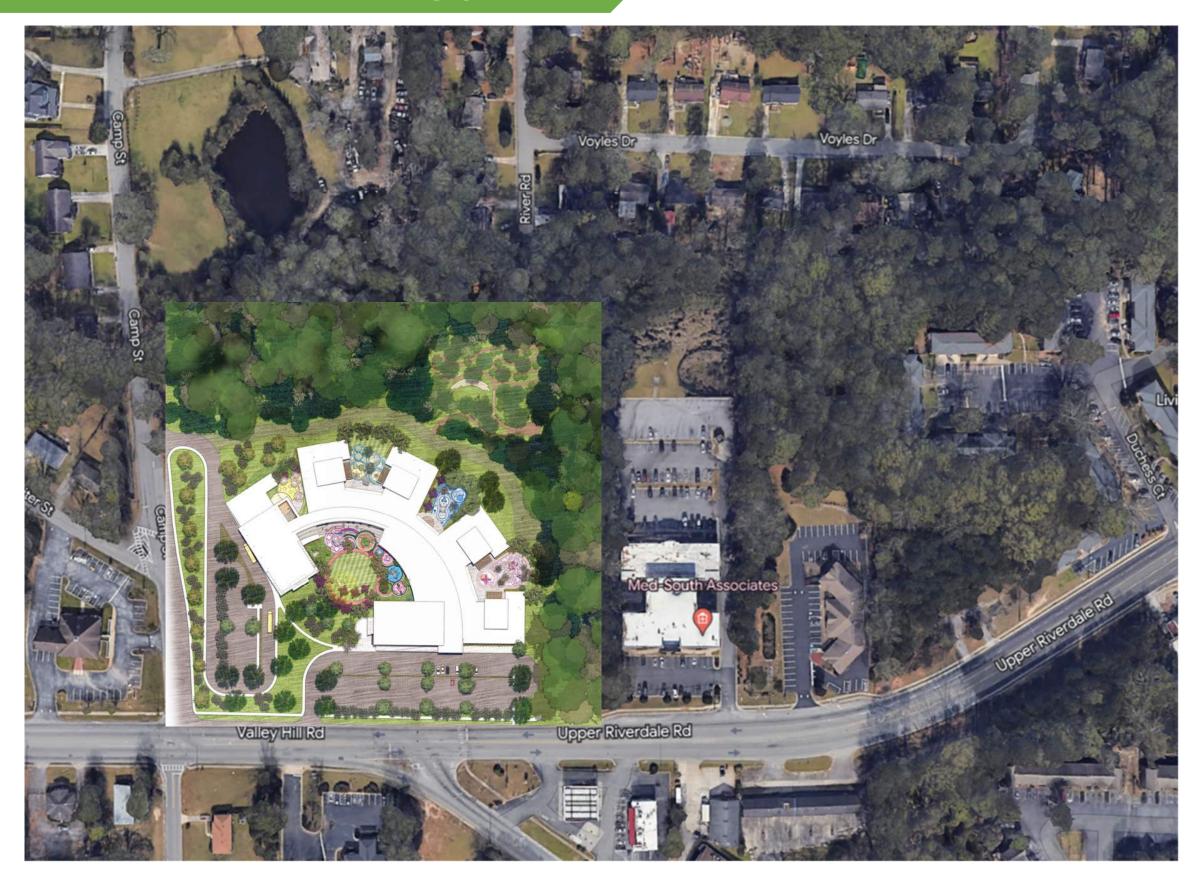
6630 Camp St., Riverdale, GA

9.3 Acres

Proposed:

- 90,000sqft Pre-K
- 500 Students
- Ages 4-5
- 10 Busses, with queuing for parent drop-off

RIVERDALE EARLY LEARNING CENTER



Proposed

PHYSICAL EDUCATION SPACE













MULTI-USE LAWN

OUTDOOR DINING

PLAYGROUNDS













PLAYGROUNDS













ECOLOGICAL CLASSROOM





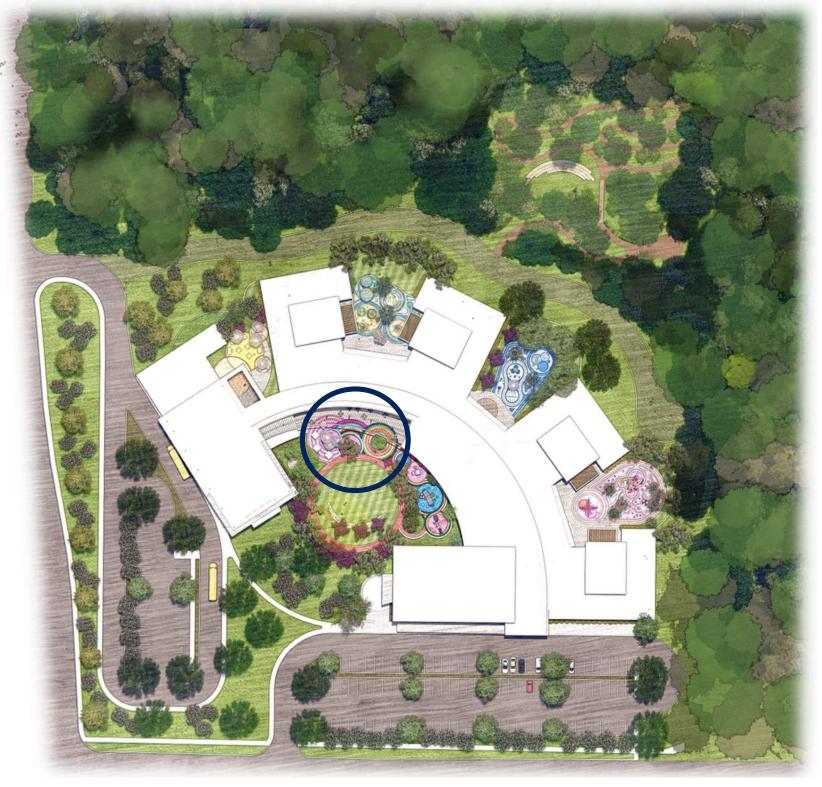






GATHERING SPACE

PLAY COURTS





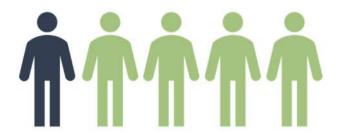






Public schools occupy over **2 million acres** across the country. Transforming them all into Community Schoolyards™ spaces would create access to the outdoors for **20 million people**.

20% of the population in the United States is in schools

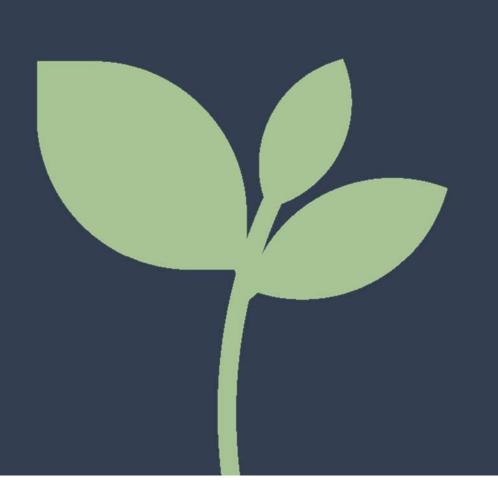


That is 1 in 5 people in the United States.

"In the end, we will conserve only what we love; we will love only what we understand; we and we will understand only what we're taught."

- Baba Dioum, Senegalese Forestry Engineer

Q & A



THANK YOU!