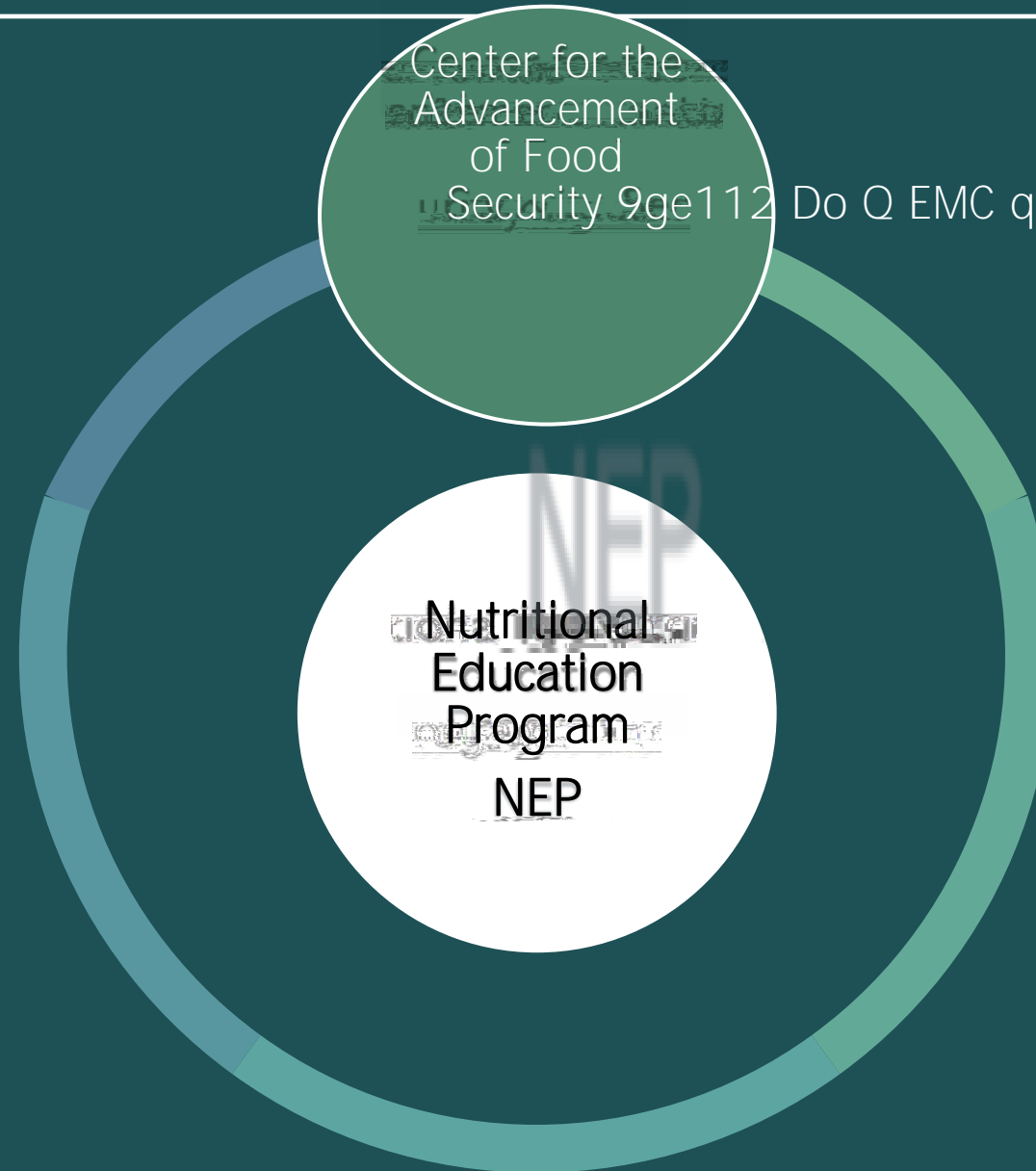


Examining

Stakeholders



Center for the
Advancement
of Food
Security

Nutritional
Education
Program
NEP

Humans are PART of Nature and not separate from it

In nature, there is more collaboration than competition. The natural world is interdependent

All living organisms need air, water, shelter (adequate temperature), and sunlight to survive

Gardening reawakens

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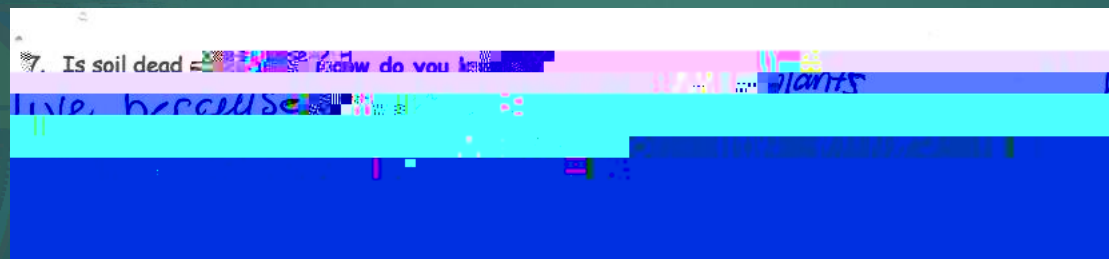
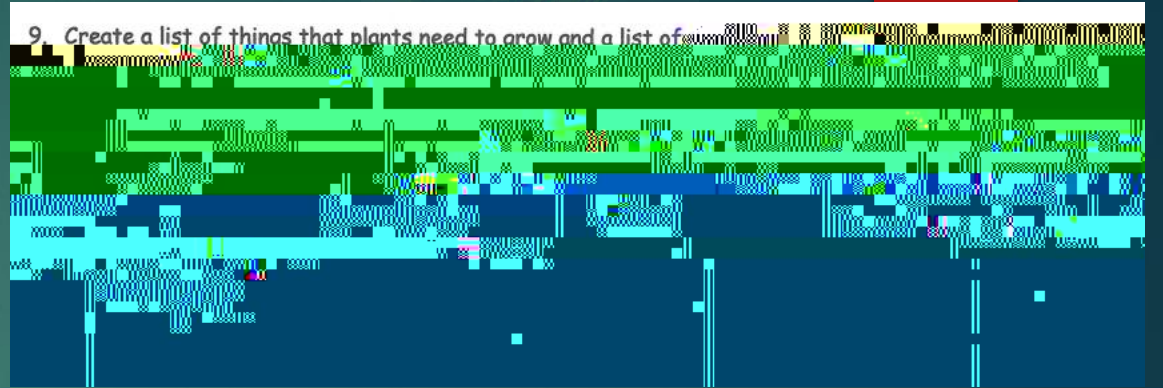
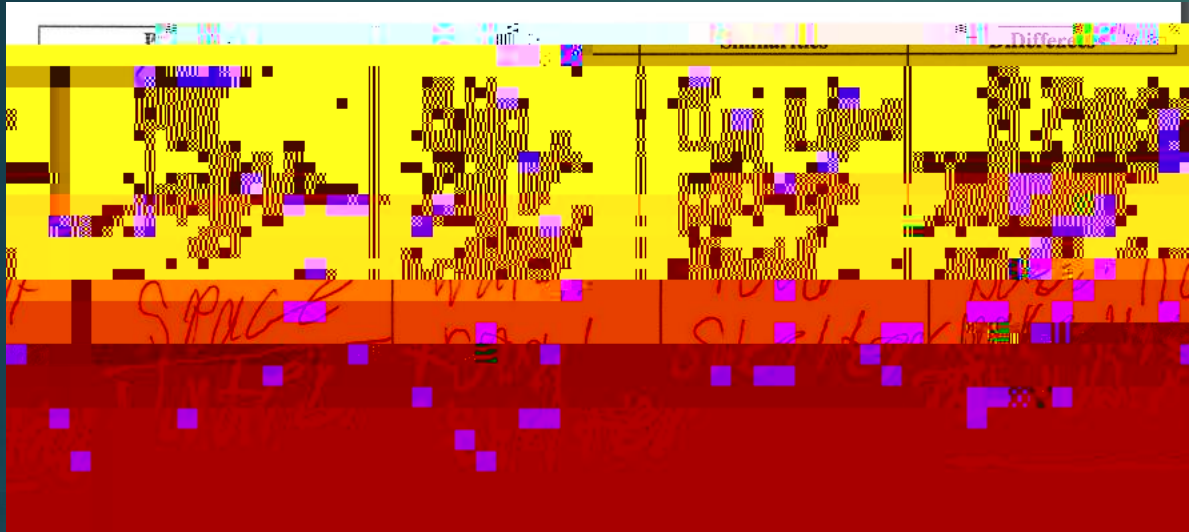
Identify the factors that facilitate school-aged children's engagement in garden-based nutritional programs

Theoretical Framework

- Political economy
- Health and Social inequality

Mixed Methods Design





Research Sites & Sample St. Petersburg, FL.

Mixed
Demographics

At least 30%
students
eligible for
reduced lunch

Ages 6 to 16

15th St Urban Farm Educational and Food Center
(1 after school program-Special needs)

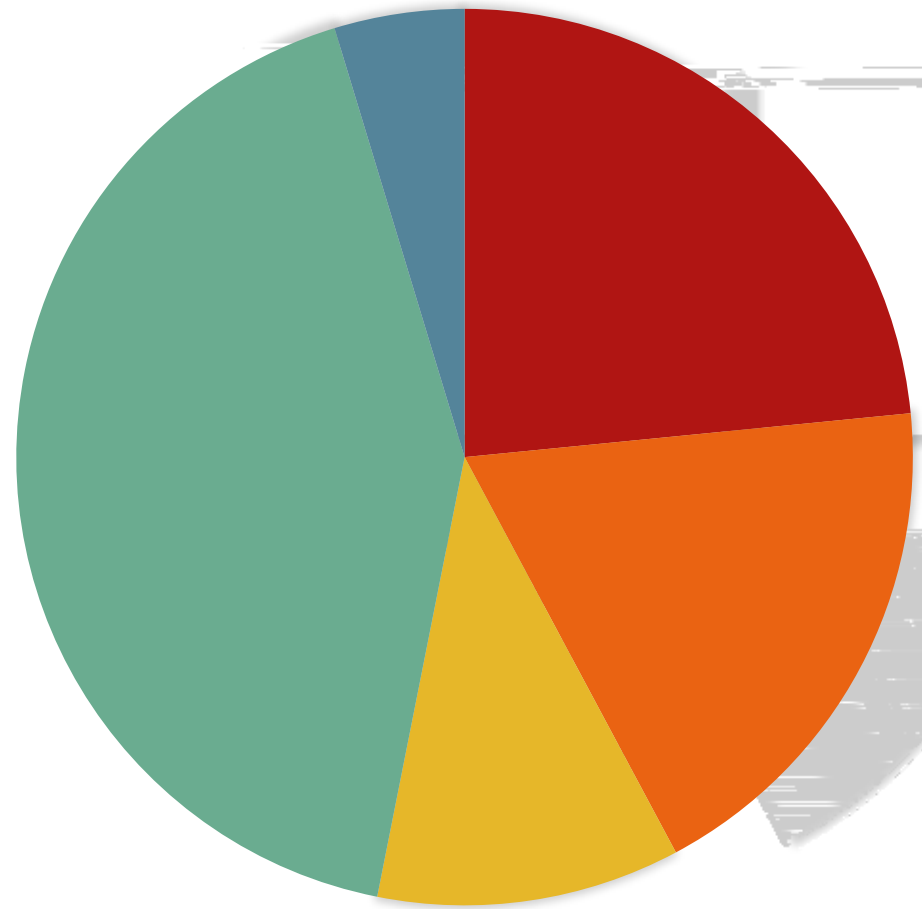
1 Elementary
Public School
(3rd grade)

After-School
program
(ages 6-12)

2 Middle Schools 5th grade

Private
(99%Scholarship
African American)

Charter
(Gifted Program)



- After School
- Private
- Charter
- Elementary
- 15th St

Sample Number
64

Measure Engagement

- Questions
- Answers
- Observation

Participation

- Outdoor Activities
- Learning Processes & Cycles



Areas Comparison

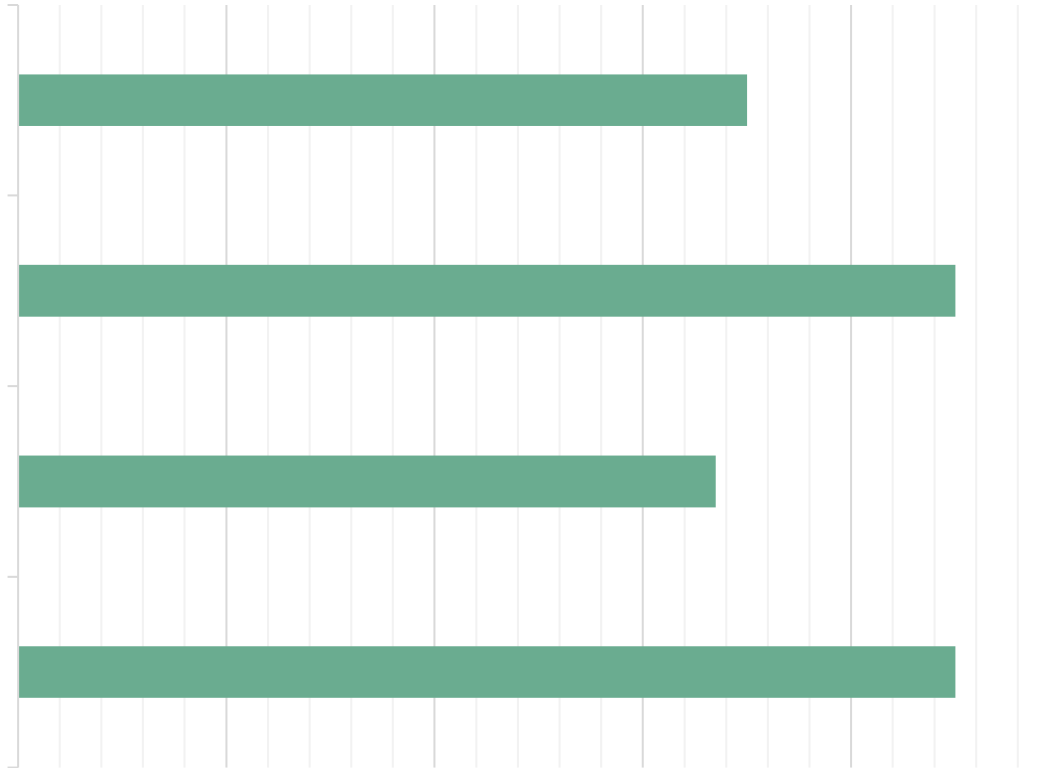
Prior gardening experience

Level of collaboration with peers and instructors

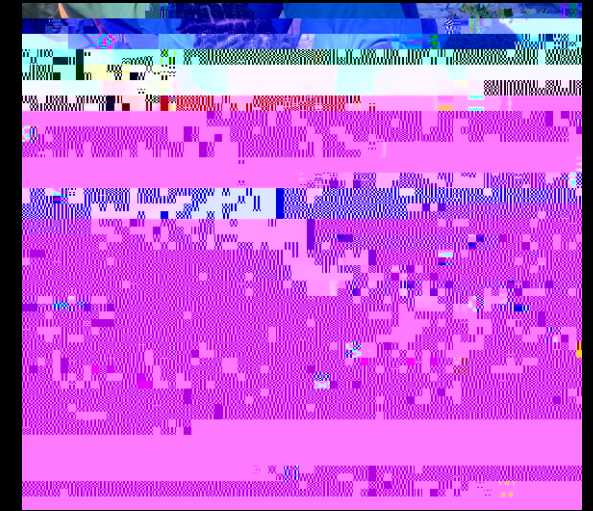
Level of comfort being outdoors and getting dirty

Level of focus and attention

Willingness to taste different vegetables, fruits, and flowers



"I thought gardening was going to be boring because I hadn't done it before, but it is not boring at all"

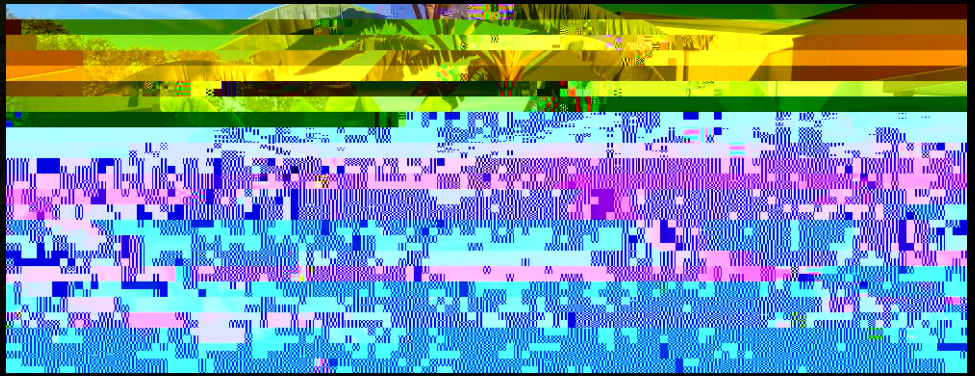
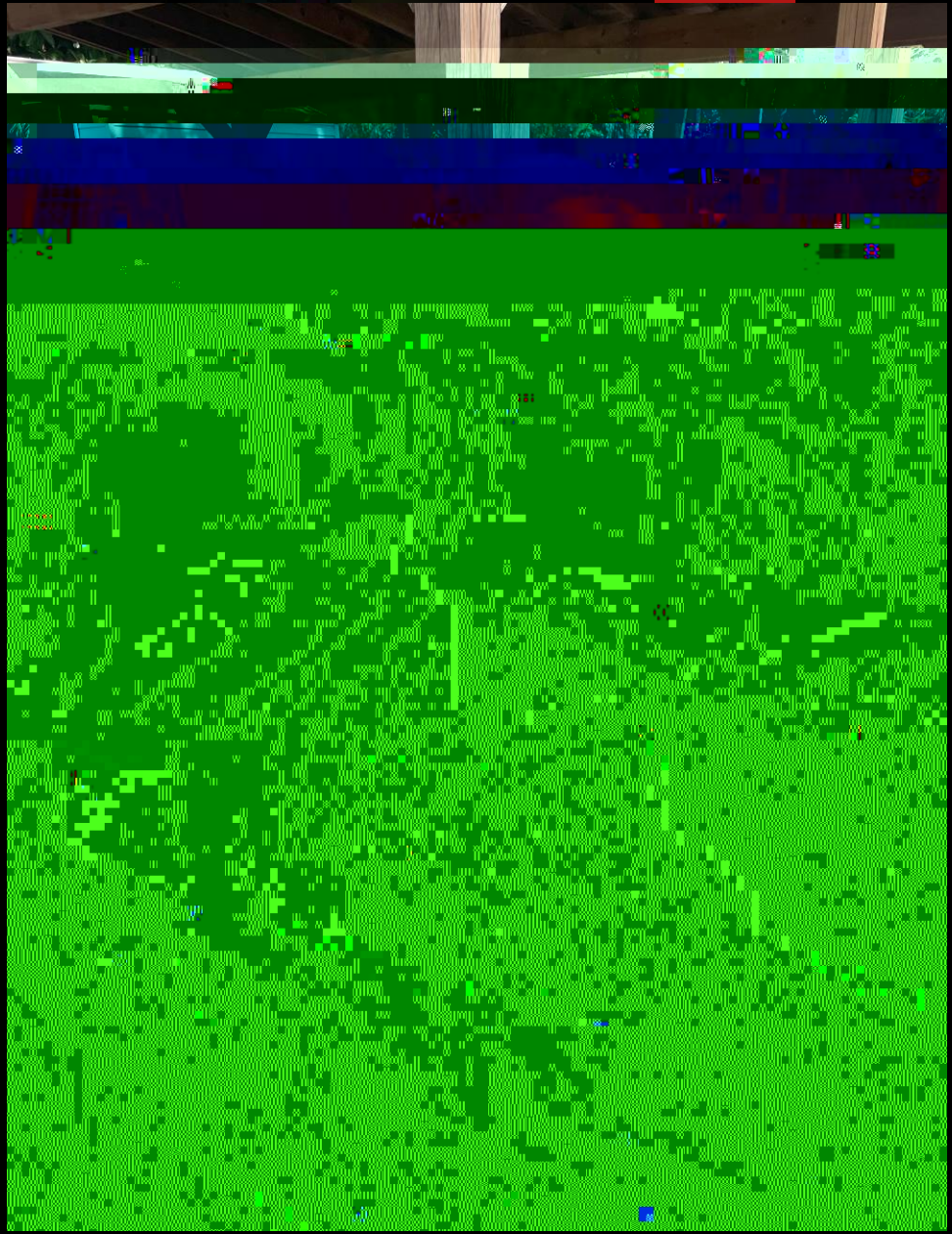
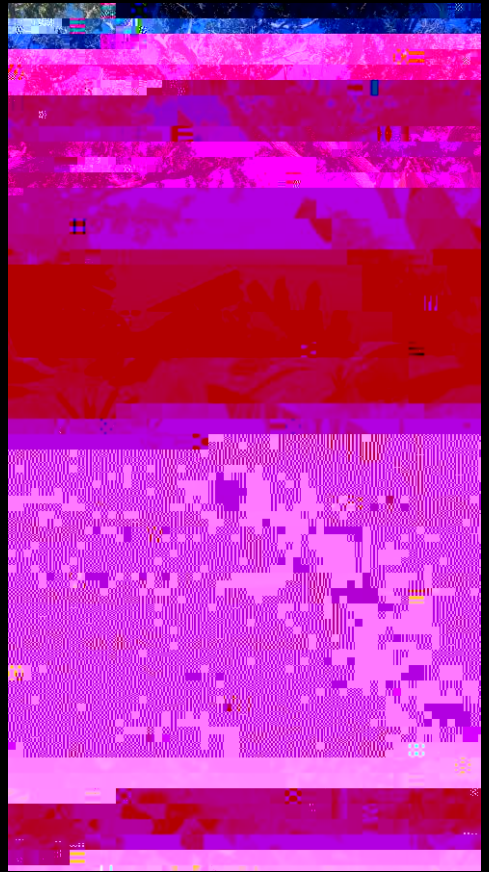


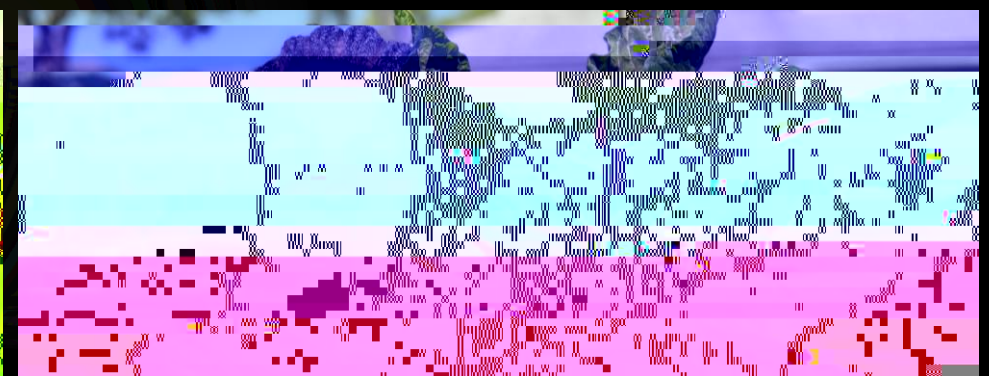
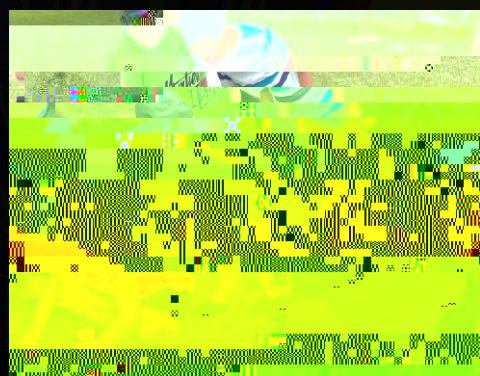
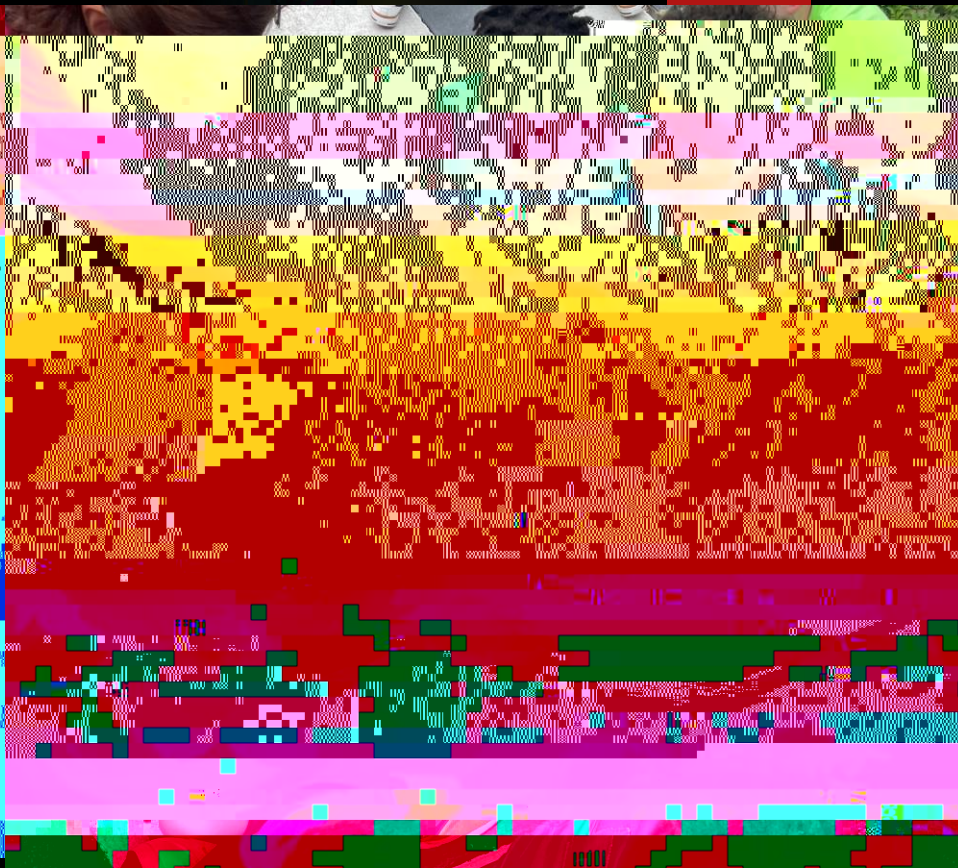
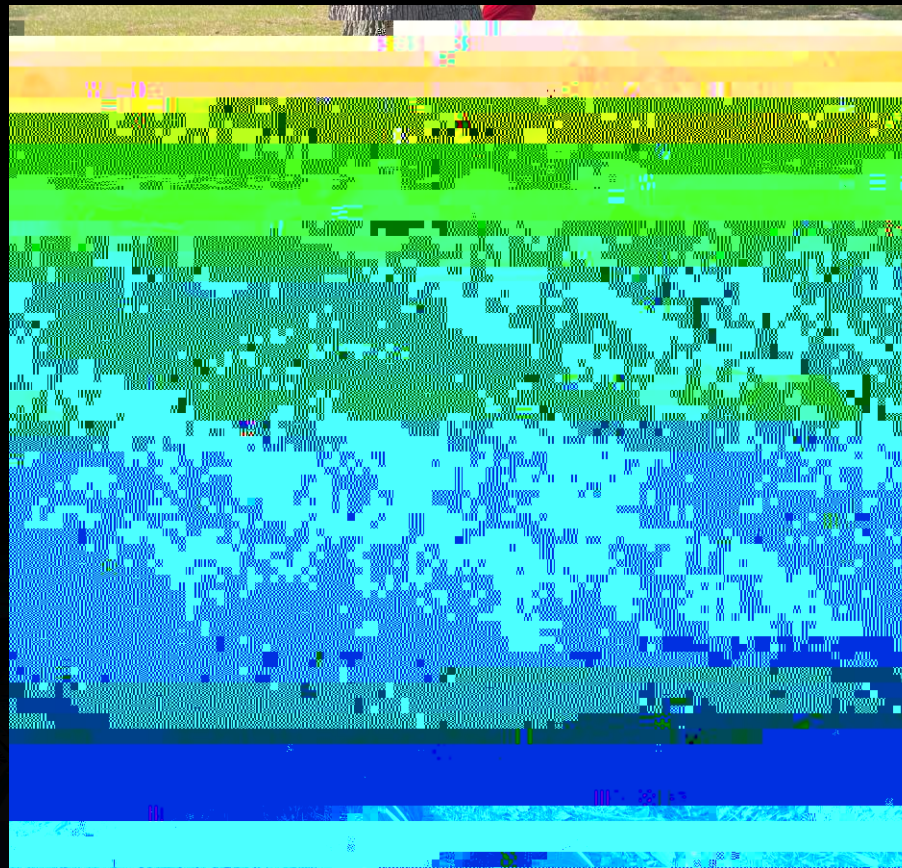
"The root is the string of knowledge"

Aren't we all organic?

" to

"We are going to be famous for our sweet potatoes"





Discussion

Experiential learning and instructional design

Q&A, hands-on gardening, tasting, and activity review

Increase knowledge and engagement

Observe, Reflect, and Make generalizations

Impact on interaction with peers and collaboration

Appreciation for nature “Brings peace and relaxation”

Learning to take care of plants and garden helps develop

Autonomy, independence, responsibility

Confidence and pride

Empowerment, socio-ecological agency

Conclusion

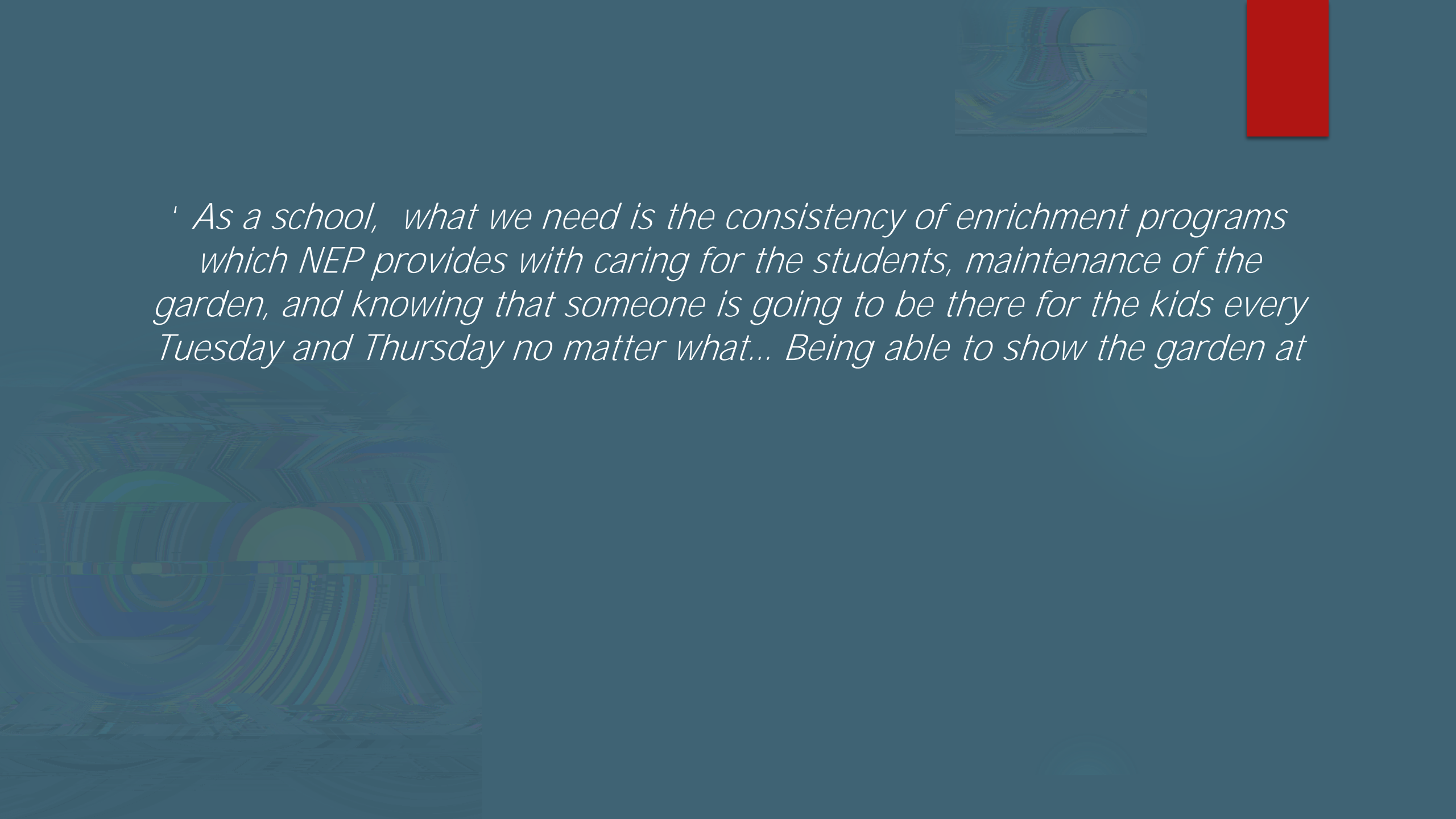
Growing vegetables and fruits not only helps children to be aware that
“we are one with nature but that we are what we eat”

Being exposed to new flavors and textures expands their sensory
experience and may increase future willingness to adopt a healthier and
varied diet

Comparing the schools' philosophies and styles of discipline

Perspectives of social behavior and learning patterns

Flexibility and adaptation as the main gains from the NEP



' As a school, what we need is the consistency of enrichment programs which NEP provides with caring for the students, maintenance of the garden, and knowing that someone is going to be there for the kids every Tuesday and Thursday no matter what... Being able to show the garden at

Acknowledgments

NEP program instructors, teachers, and students

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Emmanuel Roux

Dr. Daniel Lende

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