

Plowing Up Ideas At the Barn

Plowing Up Ideas at the Barn will demonstrate agricultural literacy and STEAM units used in the 5th grade through 8th grade RTI and CTE programs at Philadelphia Elementary, a rural school in East Tennessee. We will discuss how the CTE programs at the school, work in conjunction with the regular classroom and RTI programs. Examples of the units to be demonstrated include; Life Cycle of a Tomato, Honeybees, Gardening, and Pumpkins. Come see how we encourage students to become involved in Agriculture using our Land By the Creek Farm and Animal Science with our chickens, goats, sheep, ducks, and even barn cats. We will include examples of student led field trips for the younger grades, as well as the centers we use for our field trips. We invite you to experience Plowing up Ideas at the Barn and give us your ideas to add to our program! Come see how we encourage our students to learn more about where their food and fiber originate!

Philadelphia
Elementary School
Philadelphia, TN

- PreK-8th grade
- Enrollment: 600
- CTE Programs
- Rural East Tennessee
- Title I



The image shows the exterior of a school building with a wooden facade and large white-framed windows. To the left of the windows is a mural of a tree with a yellow nest. To the right is a mural of bees and flowers. A green hanging planter is suspended in front of the windows. In the foreground, there are several raised garden beds with various plants. The text 'Activities at Philadelphia Elementary' is overlaid in the center.

Activities at Philadelphia Elementary

Making pumpkin pie with 5th grade



Barn cat

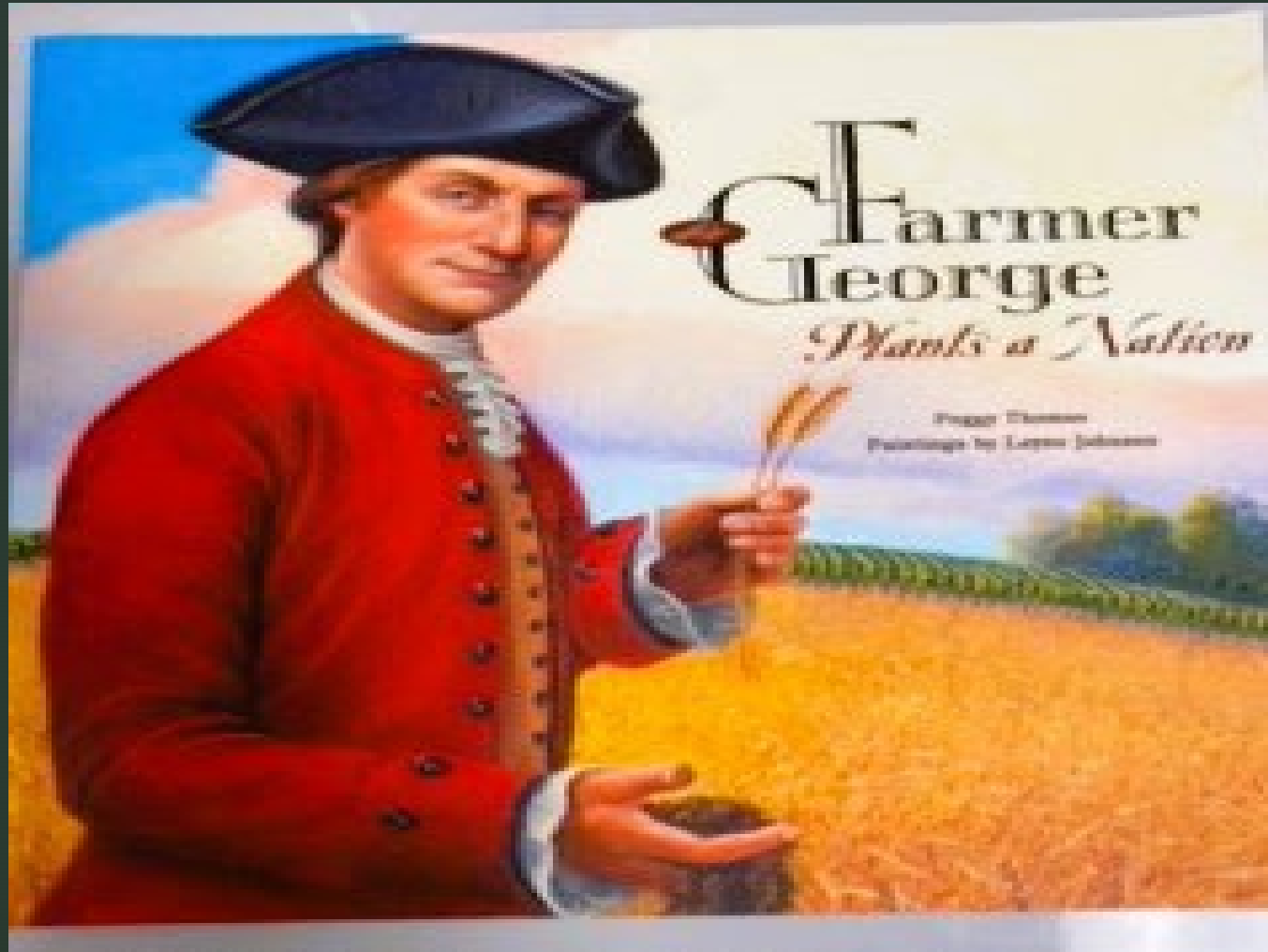


Baby chicks that we incubated



They hay field that a former student/parent bales for us.

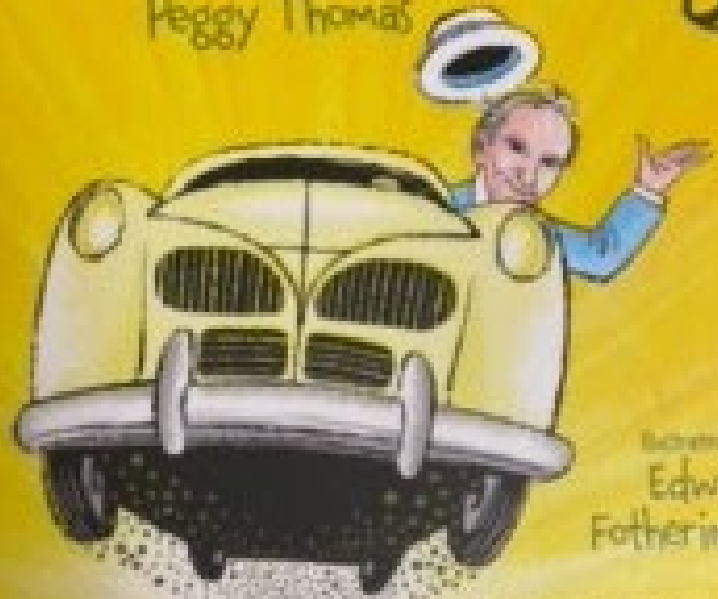




Full of Beans

Henry Ford Grows a Car

Peggy Thomas

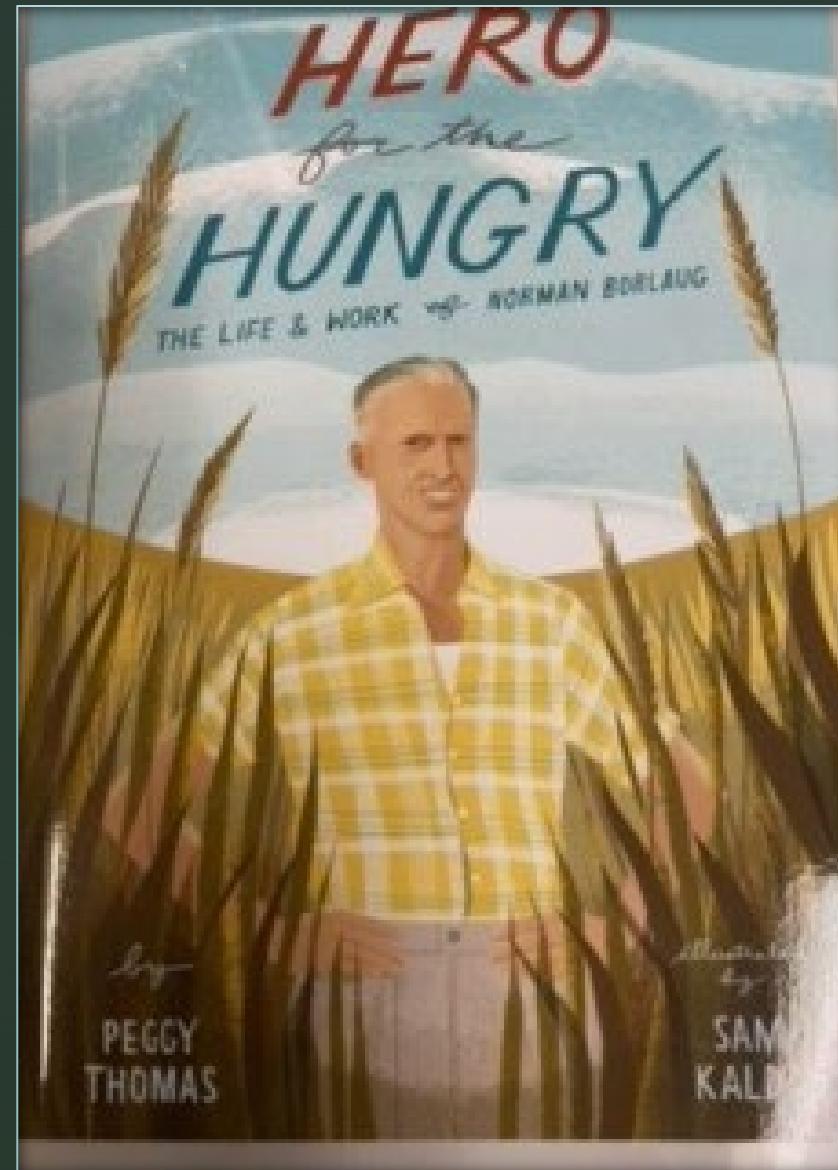


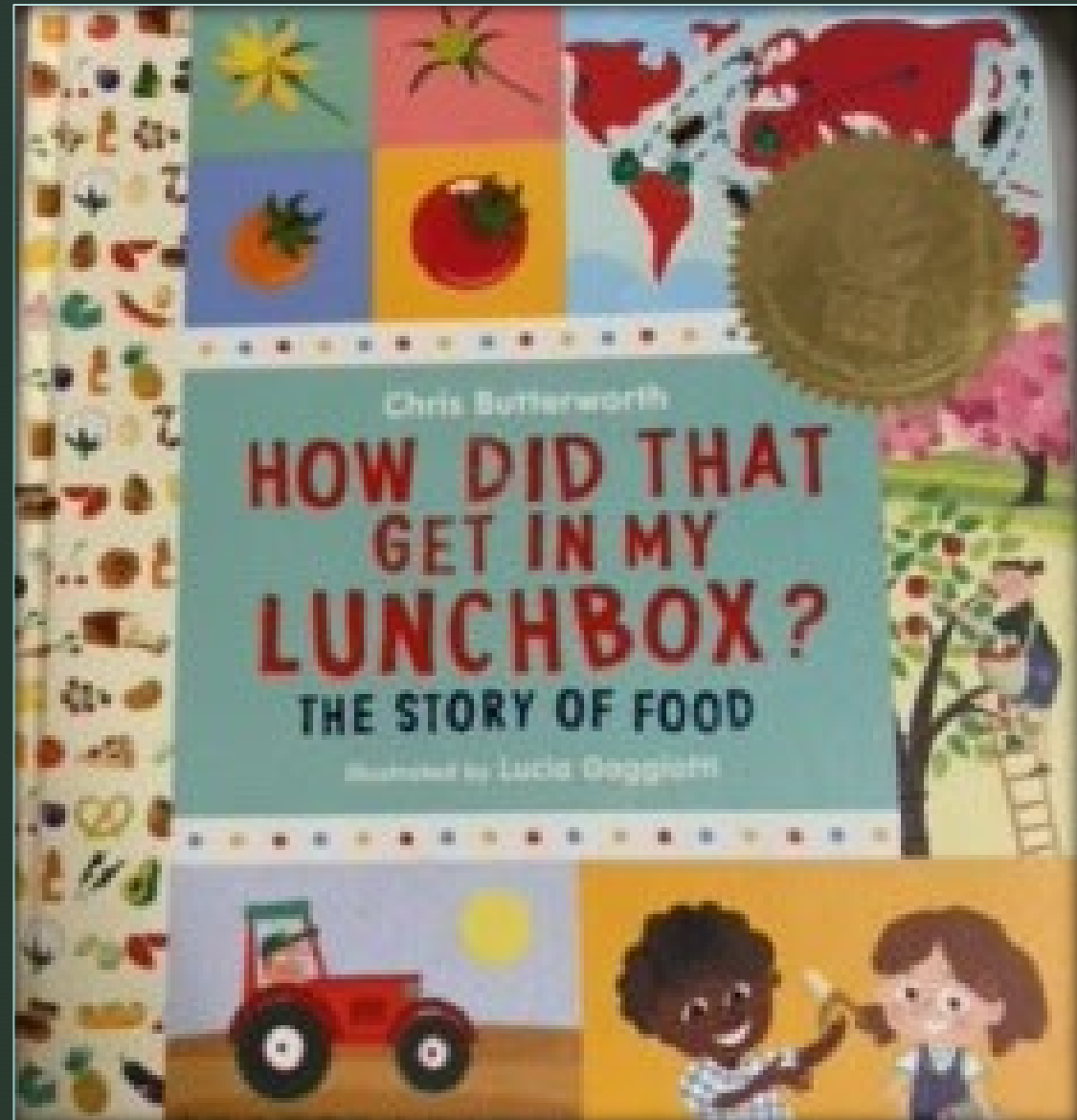
Illustrated by
Edwin
Fatheringham

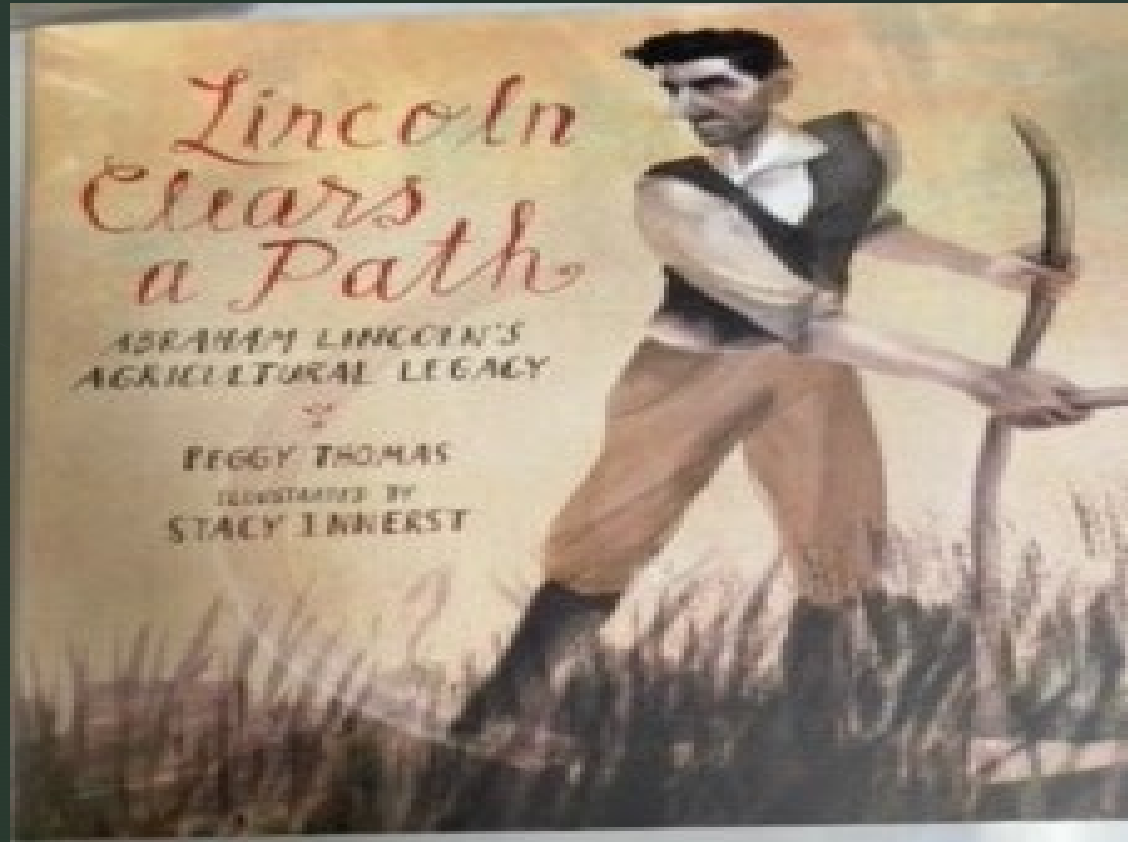
Growing Vegetable Soup

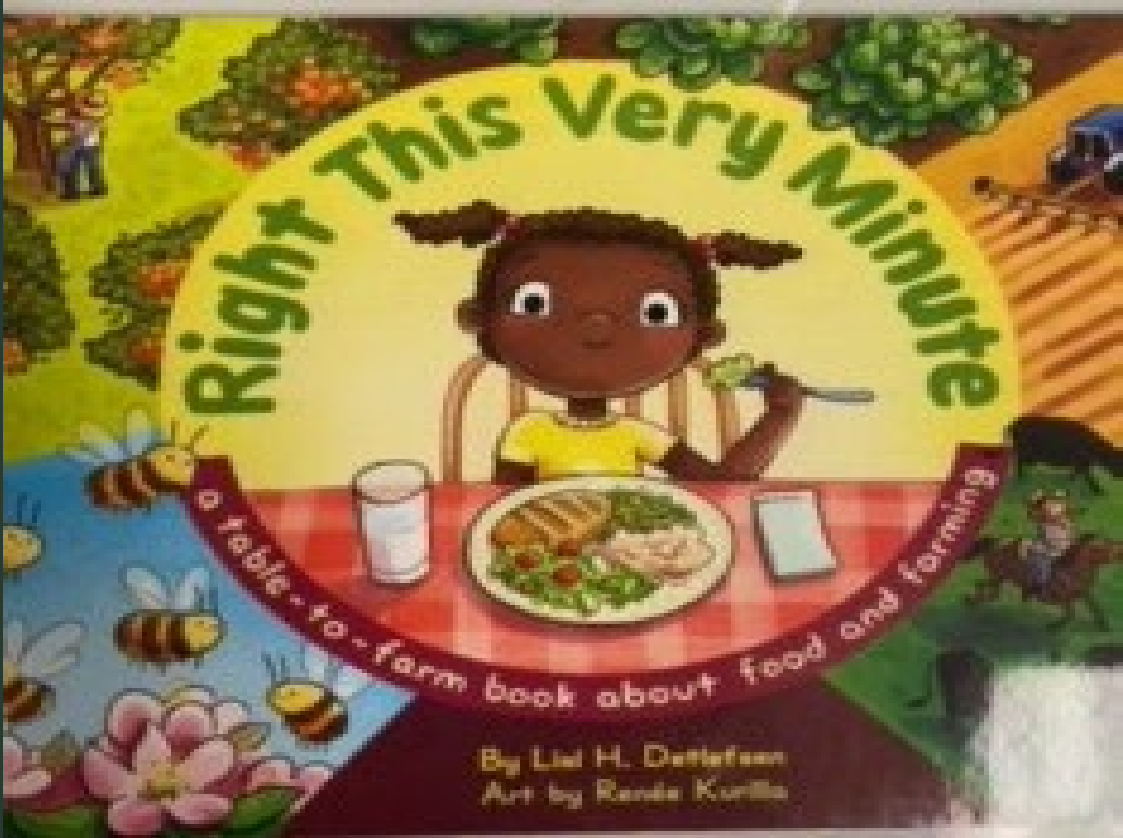


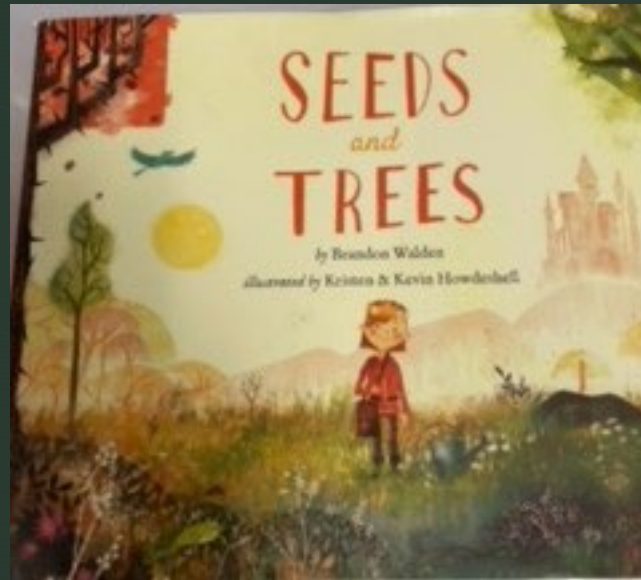
Written and illustrated by
Lois Ehlert

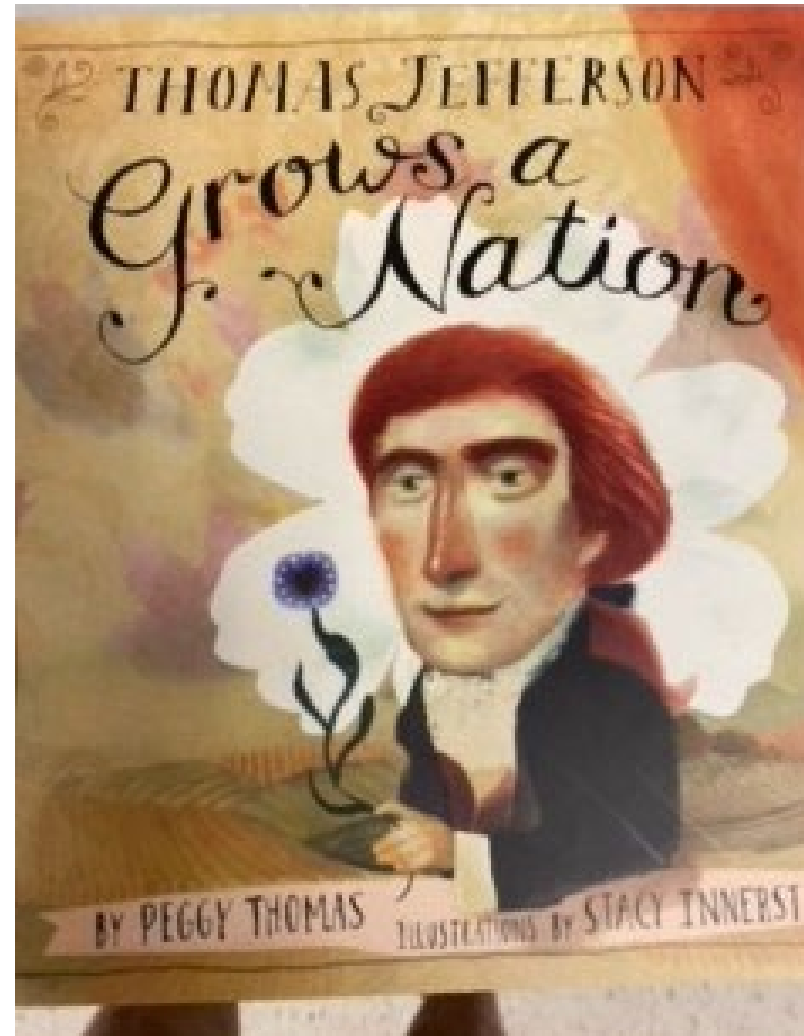


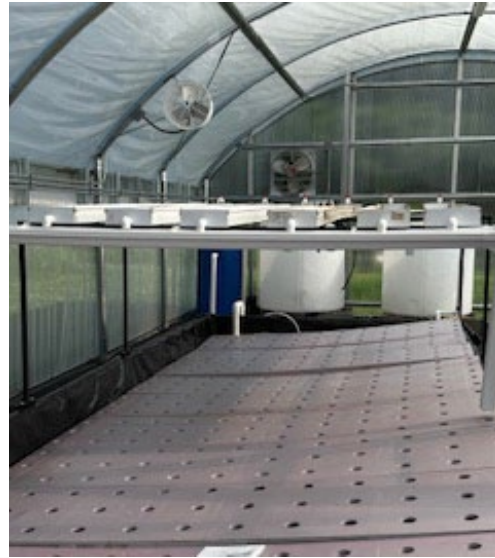












New Greenhouse for 2024-2025



Garden bed for each grade level



Sunflowers and Wildflowers



Why?

- Why school gardens?
- Creating a school garden seems like a daunting task. Materials, money, man power... is a school garden worth all of that?
- **Yes, yes it is.**



Great benefits of creating a school garden!



Hands-on Learning: School gardens provide an interactive and tangible environment for students to learn about various subjects such as biology, botany, ecology, nutrition, and sustainability.



Healthy Eating Habits: By growing their own fruits, vegetables, and herbs, students are more likely to develop healthy eating habits and gain a better understanding of where their food comes from.



Environmental Awareness: School gardens promote environmental stewardship by teaching students about the importance of biodiversity, conservation, and sustainable gardening practices.



Physical Activity: Gardening involves physical activity, such as digging, planting, and watering, which can help promote physical health and well-being among students.



Matching Funds:

The following is a list of resources that may be able to provide matching funds for the Outdoor Classroom Garden:

Department of Agriculture

STEM Funds (subject to school system approval)

County Farm Bureau

Local Farmers Cooperative

Agricultural business and organizations

Lumber yards, hardware stores, etc...

In-kind support, i.e. equipment, labor, materials, etc...



Come Grow With Us



Garden Workshop for Adults

Pig Dissection



Working at the Barn



PreK
Staycation at
the Barn



Staycation

Dirt Cups- Layers of the Soil



Making Butter



Staycation

