Project G.R.E.E.N.

Growing & Rewarding Educational Endeavors Naturally

Today's Presenters:

in Munster, IN

Michael Wells, Principal
Brad Docter, Career & Ed Tech Coordinator
Larry Hautzinger, Science Teacher
Margaret Matanic, English/Theater Arts Teacher
Ray Palasz, Auditorium Director
Kim Peirick, AP Computer Science Teacher

Project description:

Project GREEN is a 3-5 year interdisciplinary project engaging students in STEAM based, hands on, experiential learning activities through the creation of a 21st century school garden.

The project touches on a number of areas including:

- Science education
- Water conservation
- Computer science
- Art & design
- Entrepreneurship
- Engineering
- Health/Wellness education
- Giving back to the community

http://stem.munster.us/

https://www.youtube.com/watch?v=gpVGquCK4Hg&feature=youtu.be

Project Timeline

Year 1

- Design and Build Rainwater Collection system.
- Design and Build Raised Garden beds.
- Plant vegetables
- Harvest a staff bounty table

Year 2-3

- Create & code a web platform for garden data analysis (temperature, soil PH, moisture levels etc.)
- Create a garden automation system.
- Host a community dinner with produce from the garden.
- Create ceramic serving ware used for the dinner.

Year 3-5

- Develop and Implement a Business plan.
- Market and sell goods at the Munster Farmers Market.

BEANS!

GARDEN
Dumb Cane

NOTRE DAME

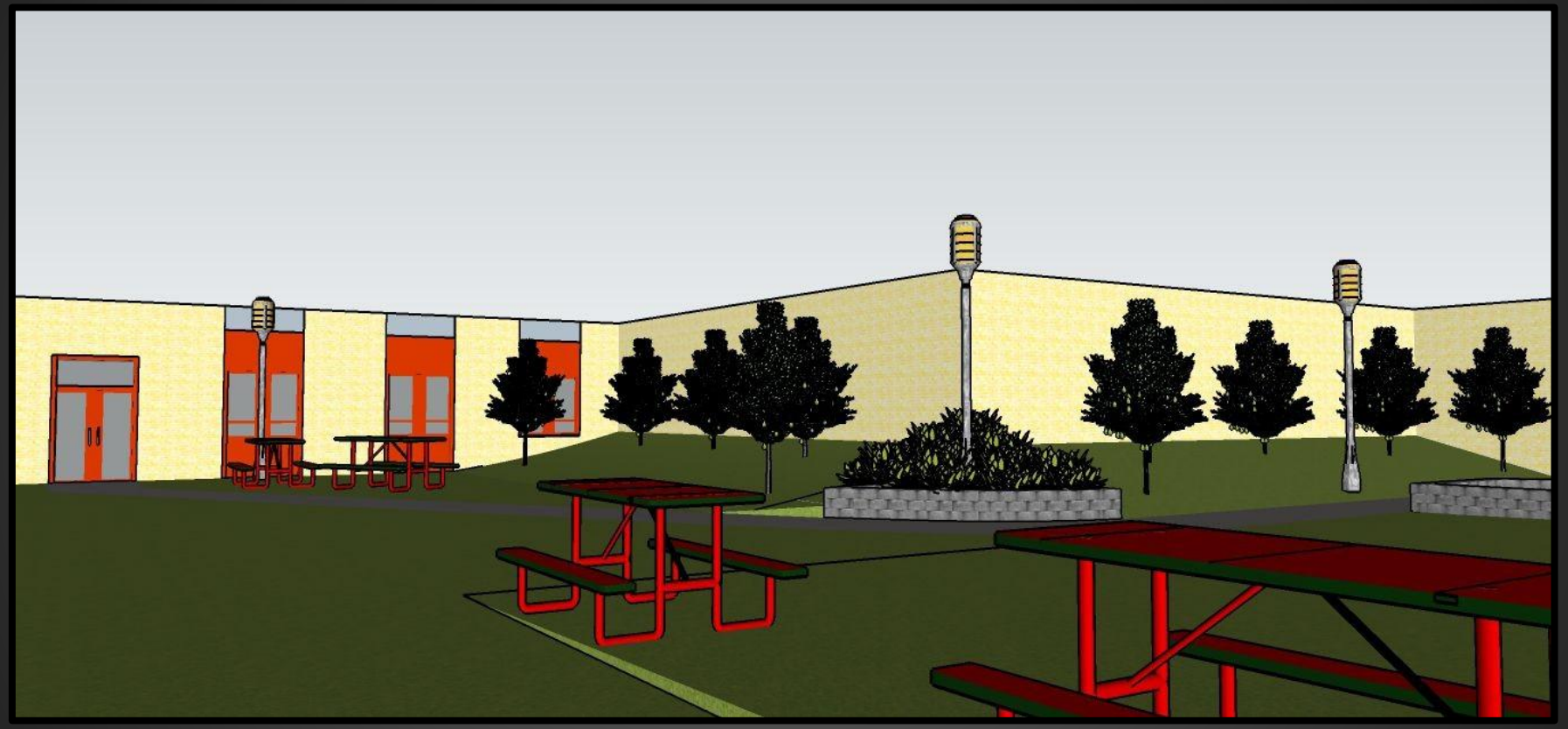
Elementary School Vegetable Garden

- The MHS Robotics team was instrumental in the building and planting of vegetable gardens at Eads Elementary School.
- Elementary students were actively involved in weeding and harvesting the produce.
- The vegetables harvested supplied a bounty table for the staff at the elementary school.

TOPSOIL

Conceptual drawing of Orchard Space as seen from above by Painting/Drawing Students

Advanced 2D art students pose with their drawing of the school garden

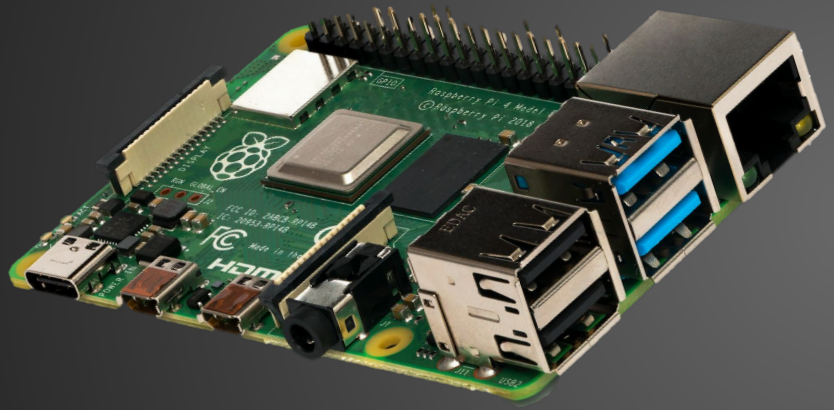


Civil engineering & architectural students pose with their rendering

Planting Team

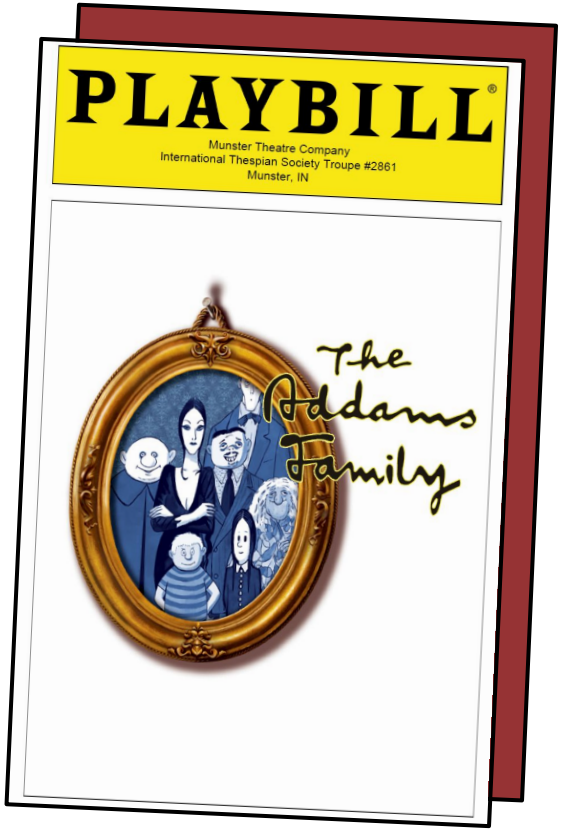
Tree Planting in the Courtyard

Construction and development of the watering system



The FarmBot was made possible through a grant from Sustainable Agriculture Research and Education.

Munster High School, the Rotary Club of Munster, and the Munster Theatre Company co-present the Oct. 5 *The Addams Family* Dinner-Theater event for the community, featuring a menu inspired by produce grown in the school garden.



Tickets available at
https://munaud.booktix.com

WATER

TASTY TIPS FOR
Smarter
SNACKING
EATING SMART
ON THE RUN
Take It with You...
Create Your
Own Snack Bag

The Addams Family **dinner menu was designed by Theater Arts students**

Addams Family Dinner Menu

at Munster High School
in collaboration with the Munster Rotary Club

Appetizers

Fresh Tomato Bruschetta
Mini BLT Bites
Mediterranean Spinach & Bean Salad

Main Course

Chicken with Caramelized Pears
Tomato Basil Pasta
Carne Asada Tacos

Sides

Garlic Parmesan Baked Carrot Fries
Garlic Knots
Roasted Fall Vegetable

Dessert

Churros with a Raspberry & Pear Dipping Sauce
Cherry Cobbler with Ice Cream
Cherry & Strawberry Parfait

Thank you for attending the 1st annual Rotary Club dinner at the theater
Please enjoy Munster Theater Company's presentation of Addams Family.

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- ✓ Create a garden automation system.
- ✓ Host a community dinner with produce from the garden.
- ✓ Create ceramic serving ware used for the dinner.

Year 3-5

- ☐ Develop and Implement a Business plan.
- ☐ Market and sell goods at the Munster Farmers Market.

Munster High School student groups who helped make Project G.R.E.E.N. possible

- Advanced 2D Art Students
- AP Computer Science Students
- Botany Students
- Ceramics Students
- Civil Engineering/Architecture Students
- Family and Consumer Arts Students
- MHS Robotics Team
- Physics Students
- Students with Exceptional needs
- Theater Arts Students

Community partnerships that helped make Project G.R.E.E.N. possible

- Chartwells Food Service
- Lake County Public Library
- Munster Chamber of Commerce
- Munster Education Foundation
- Munster Parks and Recreation
- Munster Robotics
- Northwest Indiana Food Council
- Planting Possibilities
- Purdue Master Gardeners/Lake County Extension
- Rotary Club of Munster
- Sustainable Agriculture Research and Education
- Whole Kids Foundation

Thank you!

Questions??

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