



The Fairchild Challenge at Phipps



2019-2020



THE GRABLE FOUNDATION
dedicated to improving the lives of children



Kathryn Hunninen

Pittsburgh Parks Conservancy

Keynote Speaker



Challenge 1: “Wish You Were Here”

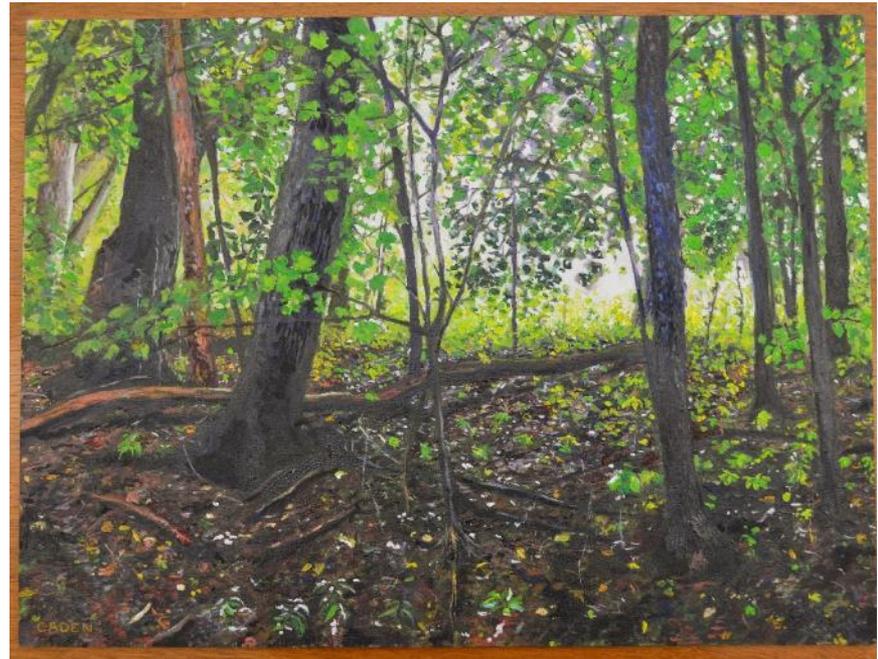
Challenge #1: “Wish You Were Here”

Special Merit:

**Westinghouse Arts Academy
Charter School**

Caden Ferita

Benjamin Hommel



Challenge #1: “Wish You Were Here”

Special Merit:

**North Allegheny Senior High
School**

Parastoo Aramesh



Challenge #1: “Wish You Were Here”

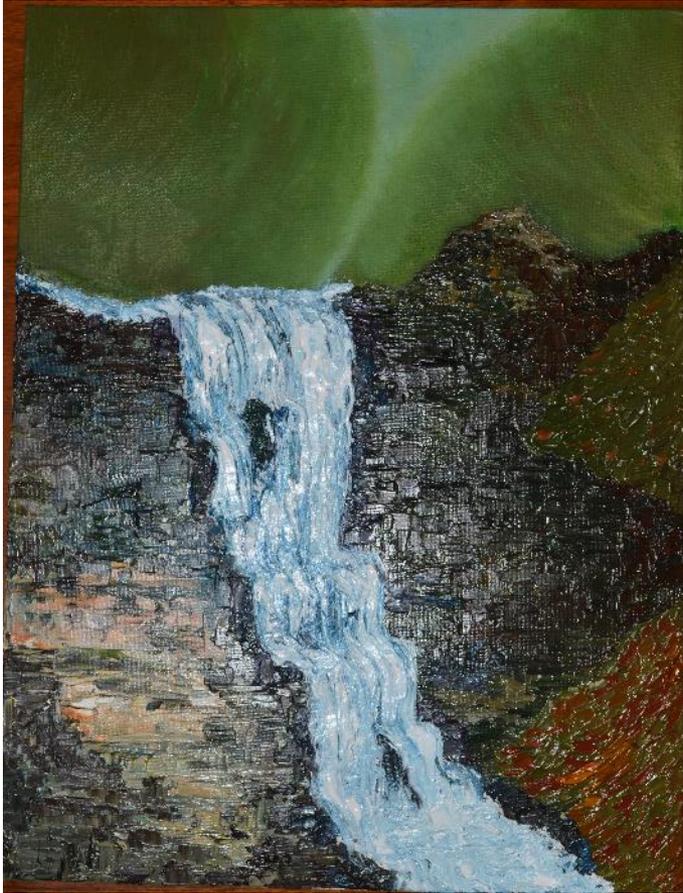
Special Merit:

West Mifflin Area High School

A.G. Miles-Flurry



Challenge #1: “Wish You Were Here”



Third Place:

Shaler Area High School

Aliza Zelina

Challenge #1: “Wish You Were Here”



Second Place:

Norwin High School

Emily Jumba

Lily Jarosz

Tegan Lochner

Challenge #1: “Wish You Were Here”



First Place:

**Westinghouse Arts Academy
Charter School**

Issac Hess

Emily Morrissey



Challenge 2:
“Shade Our Schools – Leaves Are Cool!”

Challenge #2: “Shade Our Schools – Leaves Are Cool!”

Third Place:

Norwin High School

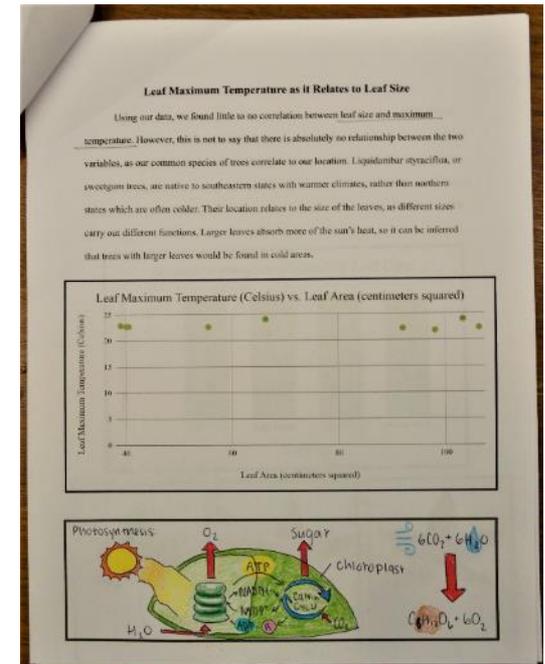
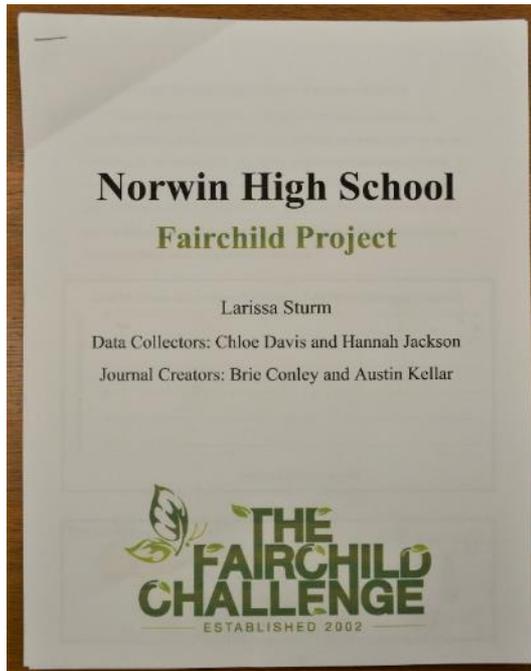
Gabriella Conley

Abby Davis

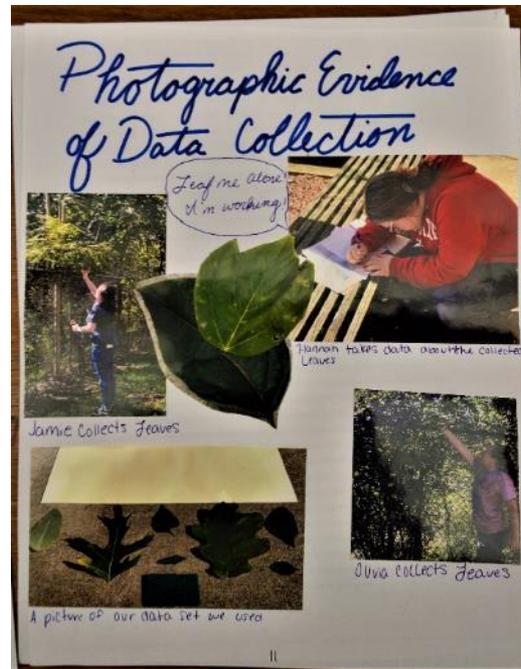
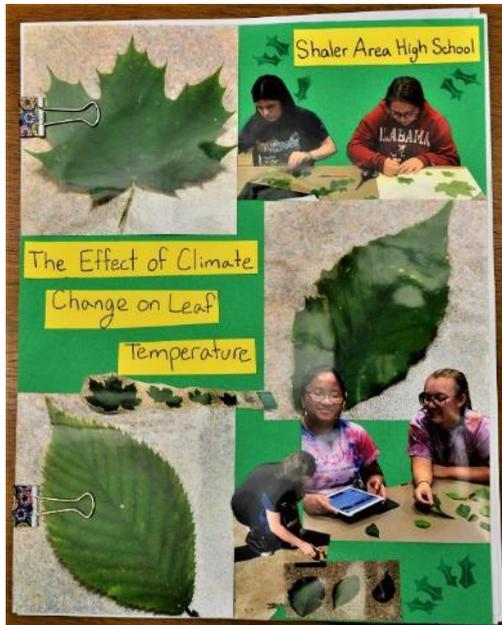
Chloe Davis

Hannah Jackson

Austin Kellar



Challenge #2: “Shade Our Schools – Leaves Are Cool!”



Second Place:

Shaler Area High School

Hannah Coleman

Jamie Eichmiller

Caitlin Fedorek

Abby Guiste

Olivia Jarzynka

Alyssa Juzwick

Rebecca Schiavone

Anna Sheets

Challenge #2: "Shade Our Schools-Leaves Are Cool!"



First Place:

**Westinghouse Arts Academy
Charter School**

Colton Edwards

Trent Edwards

Caden Ferita

Isaac Hess

Aiden Meininger

Alyssa Marchbank



Challenge 3: “Green Grub on the Go”

Challenge #3: "Green Grub on the Go"

Special Merit for research:

West Mifflin Area High School

Rebecca Tomko

Food Waste: Food waste is a big problem in our society today. People throw away food that can still be eaten or reused. In the United States, about 1 billion tons of food are thrown away and wasted. My food truck will be a great tool to help produce by making sure any leftover food is not wasted. If there are any leftover items, I will use them in a creative way. For example, I will use leftover chicken. If there are any leftover hot dogs, then I will use food that is local chicken. The leftover produce can go back to the farm to help them out, and I can also put it in a compost bin. However, I will avoid food waste all together... unless it's what I needed to... I wouldn't waste a single hot dog and here they would not be too... I wouldn't waste them if someone would order them.

Green House Gas Emission:
Benefits:
 Naturally rated with no synthetic hormones or antibiotics.
 Never given animal by products, is locally vegetable-like.
 And home grown lettuce and grains.
 Selected breed for genetic characteristics, tenderness, flavor and juiciness.

Food Transport:
 Since all of the produce for the food for my truck comes from within an 80-mile radius, I could drive my truck to pick the food up. This is better than the traditional way because my food truck is a vegetable-like, and since 70% less carbon dioxide than normal vehicles would. So, if I pick up all of the food using my truck, it would be a great way to help the world. I hope to get it delivered, and low carbon dioxide would be put in the air.

Food Affordability:
 The hot dogs prices were made based on the cost of the meat, bun, and toppings. The price range of the hot dogs are \$3.00-\$4.00, so the prices are not too high for a hot dog. With this price range, I can get a large crowd of people to come to my food truck because the prices are not too high, but they still are high enough to make a profit. So, because of this, the food is affordable to anybody who wants to get a hot dog.

Processing:
 Beef:
 2011 USDA 21 days or more in an intense beef floor and trimmers.
 Harvested at a local USDA inspected facility.
 Minimize processing, no antibiotics, hormones or preservatives added.
 The beef is in my apron and cut into retail cuts, vacuum packaged, labeled and stock frozen for sale.
 Bread:
 Baked fresh every day, no preservatives, added water.
 Produce:
 Fresh and grown local farms.

Food Nutrition:
Hot Dogs:
 Hot dogs may not be the healthiest food out there, but there are a few reasons why hot dogs are better for you:
 1. They are made from 100% beef.
 2. They have no preservatives.
 3. Antibiotic free.
 4. The cattle have which the beef is coming from are vegetable fed.
 5. The cattle are also fed home grown oranges and grains.
 6. Beef comes from a local farm in the form called Logan Family Farms.
 7. Higher quality meats is raised in Pennsylvania.
Beef:
 The beef are also a little better than the hot dogs because you can buy at the store and beef's who:
 1. They are from a local business called Mariani's.
 2. Mariani's is a Family business who have been in Pittsburgh for four generations.
 3. They are baked daily on their own truck.
 4. There are never any preservatives added.

Food Security:
 Most of the food items that get an available all year. However, some of the produce will not be available year-round, so I would buy those items in bulk at a local market. Some of these produce items include lettuce, tomatoes, potatoes, onions, ground beef, and hot dogs. So, some of the items might not get a little bit due to not having some of the produce. However, people will be able to get food from my truck year-round because the items will be done all year. So, people within a 30 mile radius of Pittsburgh will be able to get good food year-round.

Waste Disposal:
 Waste disposal is a huge problem in our world because a lot of people end up throwing their garbage in a landfill where it will sit. However, a lot of the garbage that goes into a landfill can be recycled, reused, and reduced. My food truck will help with this problem by recycling things. There will be a recycling bin on the back of the truck to help promote recycling. It will also be used for the biodegradable containers and the bottles, which people will buy from my truck. This will show people that you can use plastic and non-biodegradable items, but still have the earth by not putting it in your garbage in a landfill.

Menu:
 1. The hot dog \$3.00
 2. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 3. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 4. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 5. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 6. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 7. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 8. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 9. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 10. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 11. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00
 12. The hot dog, beef, cheese, onion, tomato, and sweet onion \$4.00

Budget is on the back.

Challenge #3: “Green Grub on the Go”

Special Merit for design:

North Allegheny
Intermediate High School

Mirae Choe

Venice Lin

Karis Lu

Karen Shamir

Hannah Shin



Challenge #3: “Green Grub on the Go”

Third Place:

Shaler Area High School

Hannah Coleman

Jamie Eichmiller

Caitlin Fedorek

Olivia Jarzynka

Alyssa Juzwick

Rebecca Schiavone

Anna Sheets

Aliza Zelina



Challenge #3: “Green Grub on the Go”



Second Place:
Norwin High School

Hannah Jackson
Radene Jackson
Leia Farroux



Optional Video Challenge:
“Set the Stage for Air Quality”

2019-2020

Patti Burns Prize for Excellence in
Communication and Media

Central Catholic High School

Anthony Frank

Jack Sabo



Challenge 4:
“Saving the Planet...Are You Game?”

Challenge #4: “Saving the Planet...Are You Game?”

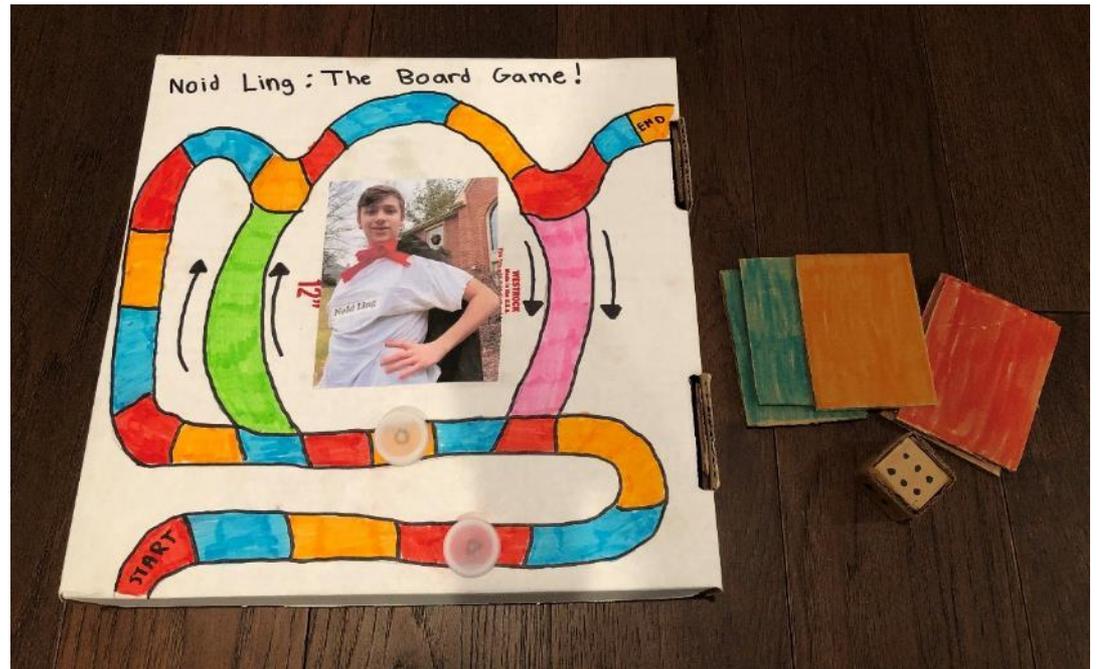
Central Catholic High School

Noid Ling: The Board Game

Jack Sabo

Anthony Frank

Beckam Alger



Challenge #4: "Saving the Planet...Are You Game?"

North Allegheny
Intermediate High School

EARTH VIRUS

Mirae Choe

Venice Lin

Karen Shamir

Hannah Shin

Karis Lu



Board Game Close Ups



Challenge #4: "Saving the Planet...Are You Game?"

Norwin High School

EcoHome

Austin Kellar

Gabriella Conley



Challenge #4: "Saving the Planet...Are You Game?"

Penn-Trafford High School

footprint

Sydney Herman

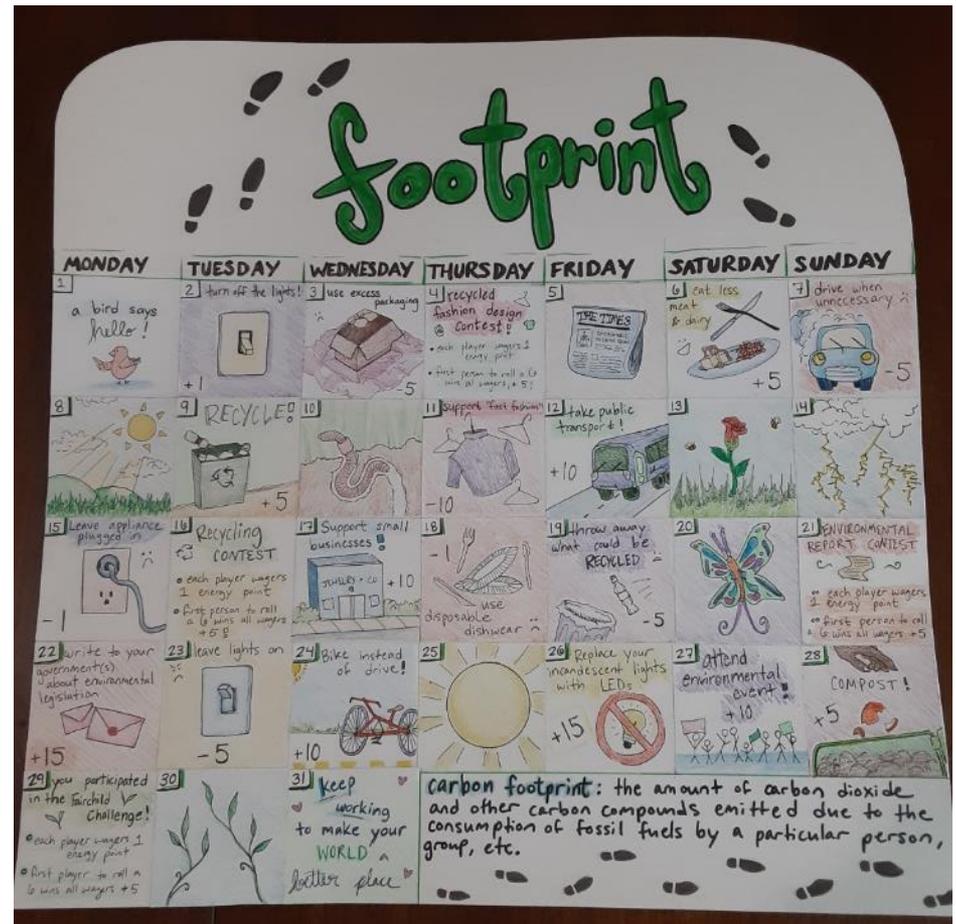
Kate Malley

Mark Harris

Tali Brobst

Dakota Dandrea

Delena Steimer



Challenge #4: "Saving the Planet...Are You Game?"

Shaler Area High School

What Do You EnvironMeme?

Jamie Eichmiller

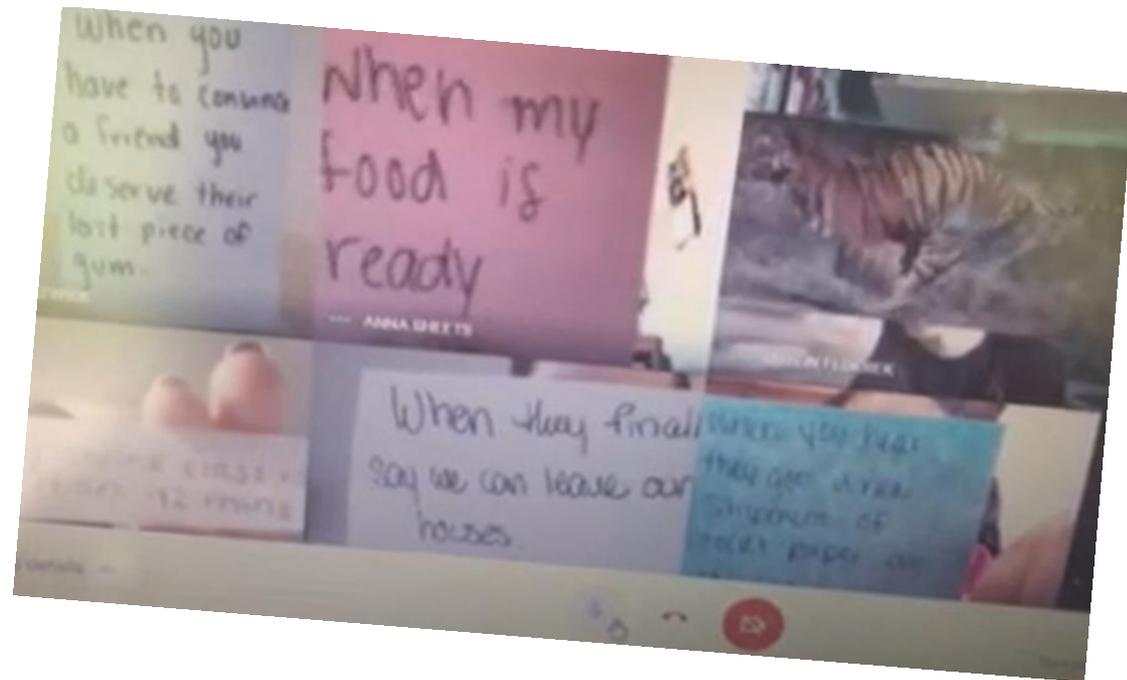
Caitlin Fedorek

Alyssa Juzwick

Olivia Jarynka

Hannah Coleman,
Anna Sheets

Reecca Schiavone



Challenge #4: "Saving the Planet...Are You Game?"

West Mifflin Area High School

Pollution Solution

Shyanne Brown

Todd Harrison



Challenge #4: “Saving the Planet...Are You Game?”

**Westinghouse Arts Academy
Charter School**

Environmental Risk

Jilliam Lenosky

Caden Ferita

Isaac Hess

Jillian Jones

Joseph Lawrence

Costello Keen





Challenge 5: Environmental Action: Pervasive Polymers, A Plastics Audit



Challenge 5: Environmental Action: Prevalent Polymers, A Plastics Audit

- Central Catholic High School
- North Allegheny Senior High School
- Norwin High School
- Penn-Trafford High School
- Shaler Area High School
- West Mifflin Area High School
- Westinghouse Arts Academy Charter School





Exhibitor Awards





Exhibitor Awards

- **Elizabeth Forward High School**

- MacKenzie Cegelski
- Madison Kapisac
- Jenna Mervosh

- **Oakland Catholic High School**

- Maya Weaver

- **Penn-Trafford High School**

- Kate Malley
- Delena Steimer

- **Shaler Area High School**

- Aliza Zelina
- Caitlin Fedorek

- **North Allegheny Intermediate High School**

- Mirae Choe
- Venice Lin
- Karis Lu

- **North Allegheny Senior High School**

- Parastoo Aramesh

- **Norwin High School**

- Emily Jumba
- Tegan Lochner
- Lily Jarosz

- **Seneca Valley High School**

- Alisha Aboosally
- Josie Walter
- Derek Wessel

- **West Mifflin Area High School**

- A.G. Miles-Flurry

- **Westinghouse Arts Academy Charter School**

- Caden Ferita
- Benjamin Hommel
- Isaac Hess
- Emily Morrissey



Participation Awards

- Elizabeth Forward High School
- North Allegheny Senior High School
- Oakland Catholic High School
- Seneca Valley High School



The Fairchild Challenge Awards

- Central Catholic High School
- North Allegheny Intermediate High School
- Norwin High School
- Penn-Trafford High School
- Shaler Area High School
- West Mifflin Area High School
- Westinghouse Arts Academy Charter School



Overall 2019-2020 Phipps Fairchild Challenge Winners

Third Place

Norwin High School
Central Catholic High School
Penn-Trafford High School



Overall 2019-2020 Phipps Fairchild Challenge Winners

Second Place

Westinghouse Arts Academy Charter School



Overall 2019-2020 Phipps Fairchild Challenge Winners

First Place

Shaler Area High School



Congratulations and Thank You!

Students, Teachers, Panelists, Volunteers,
Parents, Phipps staff & Kathryn Hunninen



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