

**GRADES Pre-K to 5 | 2022-2023**

# THE FAIRCHILD CHALLENGE



## Fairchild Challenge Awards



The Fairchild Challenge is made possible by the generous support of the Batchelor Foundation.

# Participating Schools 2022-2023

Academir Charter School Preparatory  
Academir Charter School West  
Advanced Achievers Academy  
Air Base K-8 Center For International Education  
Alpha Charter Of Excellence (Ace)  
Aventura Waterways K-8 Center  
Avocado ES  
Bel-Aire ES  
Ben Sheppard ES  
Biscayne ES  
Blue Lakes Elementary  
Bob Graham Education Center  
Bridgeprep Academy Interamerican  
Bridgeprep Academy Of Village Green  
Charles R. Hadley ES  
Christi/STEPSS Academy  
Coral Gables Preparatory Academy  
Coral Park ES  
Coral Reef ES  
Coral Reef Montessori Academy Charter School  
Cypress K-8 Center  
Dante B. Fascell ES  
David Fairchild ES  
Devon Aire K-8 Center  
Doral International Academy  
Dr. Carlos J. Finlay ES  
Dr. Edward L. Whigham ES  
Dr. Henry E. Perrine Academy Of The Arts  
Dr. Toni Bilbao Preparatory Academy

Ernest R Graham K-8 Academy  
Everglades K-8 Center  
Fairlawn ES  
Fienberg/Fisher K-8 Center  
Florida Christian School  
Frank C. Martin K-8 Center  
Fulford ES  
George Washington Carver ES  
Gloria Floyd ES  
Goulds Elementary School  
Greenglade ES  
Gulfstream ES  
Henry M. Flagler ES  
Hialeah Gardens ES  
Howard Drive ES  
Innovative School at Temple Beth  
Kelsey L. Pharr ES  
Kendale ES  
Kendall Christian School  
Kendall Square K8  
Kensington Park ES  
Key Biscayne K-8 Center  
Key Largo School  
Kingdom Academy  
La Scuola  
Mater Academy Bay  
Mater Academy Of International Studies  
Miami Gardens ES

Norma Butler Bossard ES  
North Beach ES  
Ocean Studies Charter School  
Oliver Hoover ES  
Palm Lakes ES  
Palm Springs ES  
Palm Springs North ES  
Palmetto ES  
Phyllis Ruth Miller ES  
Pinecrest Academy (South Campus)  
Pinecrest ES  
Rainbow Christian Academy  
Redondo ES  
Renaissance Elementary Charter School  
Riverside ES  
Rockway ES  
Ruth K Broad/Bay Harbor K-8 Center  
Saint Lawrence School  
Silver Bluff ES  
Somerset Academy At Silver Palms  
Somerset Oaks Academy  
South Dade K-8  
South Miami Heights ES  
South Pointe ES  
Southside Preparatory Academy  
St. Bonaventure Catholic School  
St. Kevin Catholic School  
St. Patrick

Sunset Park ES  
Sylvania Heights ES  
The Growing Place School  
Treasure Village Montessori  
Tropical ES  
W.J. Bryan ES  
Westminster Christian School  
Westwood Christian School  
Whispering Pines ES  
Youth Co-op Charter School  
Zora Neale Hurston ES

96 Schools participated!

# Thank You Volunteers!



# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

## EDUCATOR CHALLENGE: Expedition Discovery

# Educator Challenge: Elementary School

Crisceli A.

Gould Elementary School

SPECIAL MERIT:

Director's Choice – School Yard  
Expedition



# Educator Challenge: Elementary School

Josefina B.

Biscayne Elementary School

FIRST PLACE



# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

## CHALLENGE 1A: Pollinator Portrait

## Challenge 1A: Pollinator Portrait (PreK-1<sup>st</sup> Grade)

Gabriela B.

Doral International  
Academy of Math and  
Science

SPECIAL MERIT:  
Most Artistic



## Challenge 1A: Pollinator Portrait (PreK-1<sup>st</sup> Grade)

Ethan H.

Goulds Elementary  
School

SPECIAL MERIT:  
Best Writing

They fly, they buzz,  
they pollinate, and  
they sting. Bees make  
honey from nectar  
found in flowers.  
Flowers need bees  
to become fruit.  
We need bees to  
pollinate our crops  
so we can eat  
them. Without  
bees many plants  
cannot make more.



# Challenge 1A: Pollinator Portrait (PreK-1<sup>st</sup> Grade)

Roselynn O.

Kendale Elementary School

SECOND PLACE



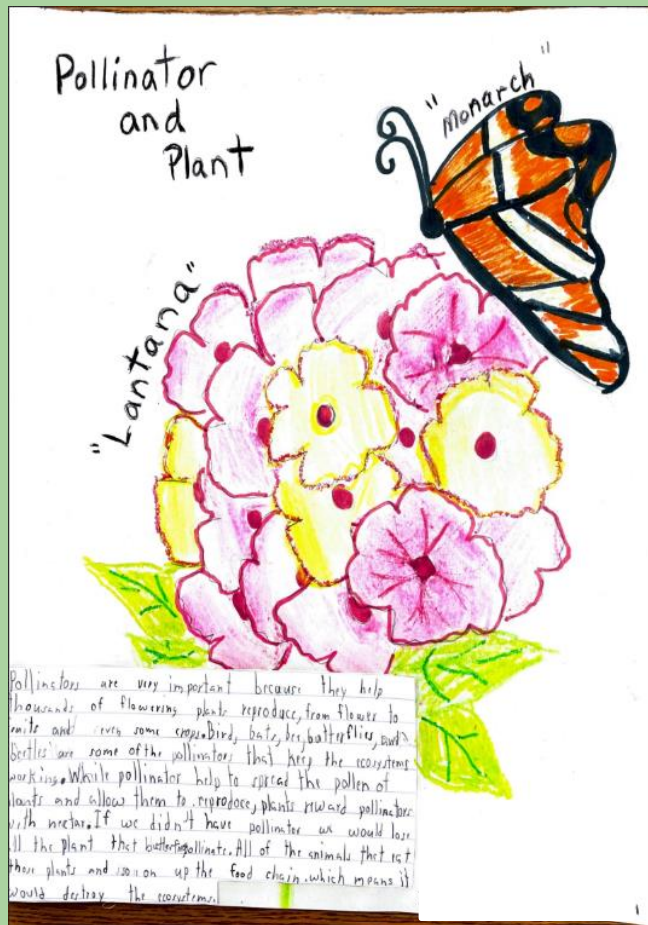
I like bees because they make honey and pollinate flowers. That's how flowers grow more. I love them because they spread the pollen every where and I really love watching them do that. By moving the pollen from flower to flower they help make fruits, vegetables and hay.

# Challenge 1A: Pollinator Portrait (PreK-1<sup>st</sup> Grade)

Lizabeth A.

Zora Neale Hurston  
Elementary School

FIRST PLACE



# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

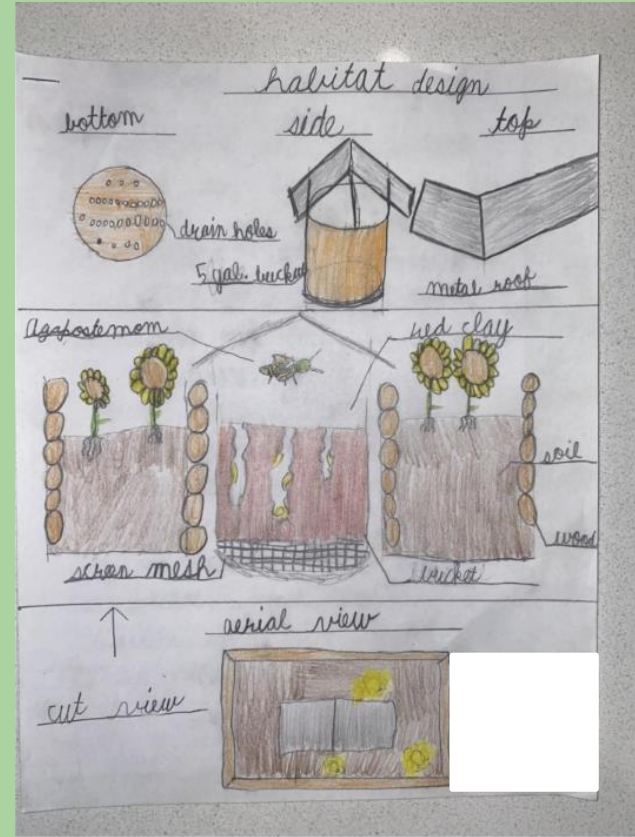
## CHALLENGE 1B: Pollinator Penthouse - Design

# Challenge 1B: Pollinator Penthouse – Design (2<sup>nd</sup> – 3<sup>rd</sup> Grade)

Elijah T.

Florida Christian School

SPECIAL MERIT:  
Best Design

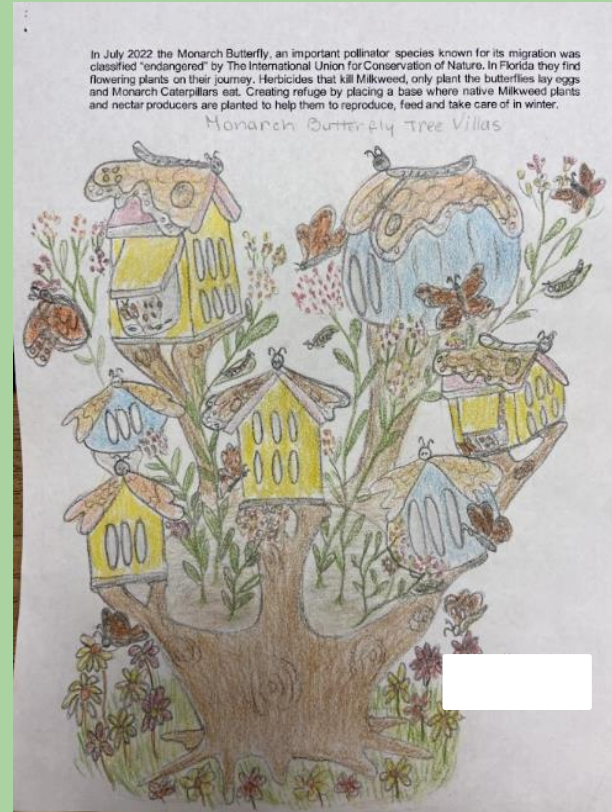


# Challenge 1B: Pollinator Penthouse – Design (2<sup>nd</sup> – 3<sup>rd</sup> Grade)

Hernan L.

Greenglade Elementary  
School

SPECIAL MERIT:  
Best Artistry



# Challenge 1B: Pollinator Penthouse – Design (2<sup>nd</sup> – 3<sup>rd</sup> Grade)

Valentina L.

Kendale Elementary  
School

SECOND PLACE

In my science class, I learned that pollinators are very important because they help our world's ecosystem every day. Many animals pollinate like butterflies and wasp, but the most important pollinators are bees. They move from flower to flower and help plants make seeds, nuts, and fruits. They make yummy honey! It's amazing how these very small animals have a **VERY BIG** purpose in our world, and we must **PROTECT THEM!**

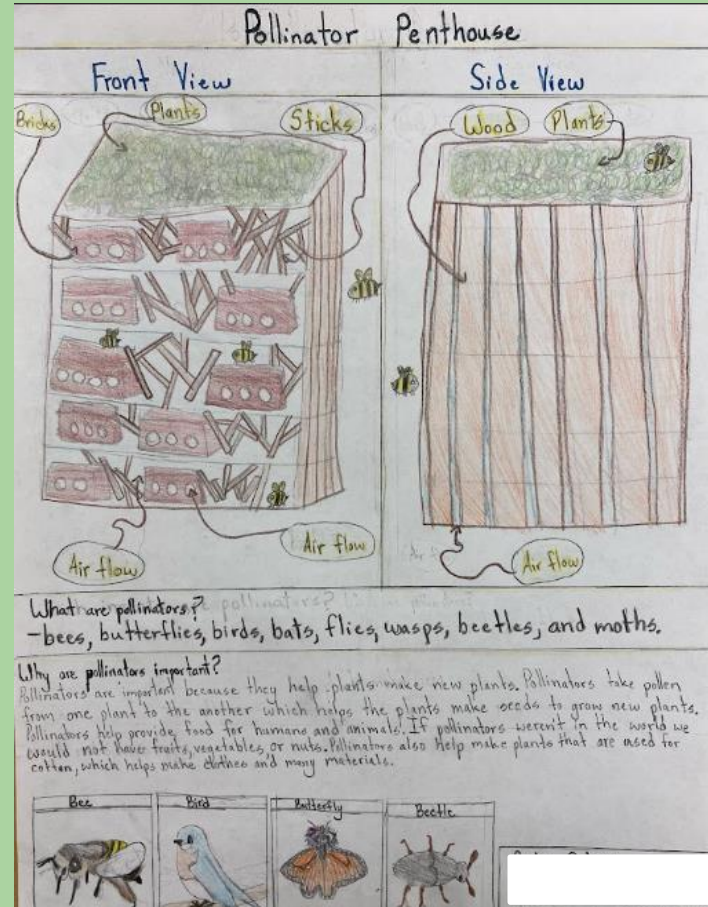


# Challenge 1B: Pollinator Penthouse – Design (2<sup>nd</sup> – 3<sup>rd</sup> Grade)

Peyton O.

Pinecrest Elementary  
School

FIRST PLACE



# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

## CHALLENGE 1C: Pollinator Penthouse - Model

## Challenge 1C: Pollinator Penthouse – Model (4<sup>th</sup> – 5<sup>th</sup> Grade)

Carolina E.

Oliver Hoover  
Elementary School

SPECIAL MERIT:  
Most Beautiful



# Challenge 1C: Pollinator Penthouse – Model (4<sup>th</sup> – 5<sup>th</sup> Grade)

Mikey R.

Westminster Christian  
School

SPECIAL MERIT:  
Best Architecture



# Challenge 1C: Pollinator Penthouse – Model (4<sup>th</sup> – 5<sup>th</sup> Grade)

Alex T.

Zora Neale Hurston  
Elementary School

SECOND PLACE



# Challenge 1C: Pollinator Penthouse – Model (4<sup>th</sup> – 5<sup>th</sup> Grade)

Leslie M.

Greenglade Elementary  
School

FIRST PLACE



# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

## CHALLENGE 2A: Growing Up - Design

## Challenge 2A: Growing Up-Design (PreK-1<sup>st</sup> Grade)

Sarah M.

Pinecrest Elementary  
School

SPECIAL MERIT:  
Wonderful Writing

My project is a vertical garden. It will help to grow more food in gardens inside the city.

It is made from plastic bottles in a wood frame with small hoses to water the plants. The frames can be installed outside around big buildings, streets, and bridges. I invented this project to help people to grow more food in cities.

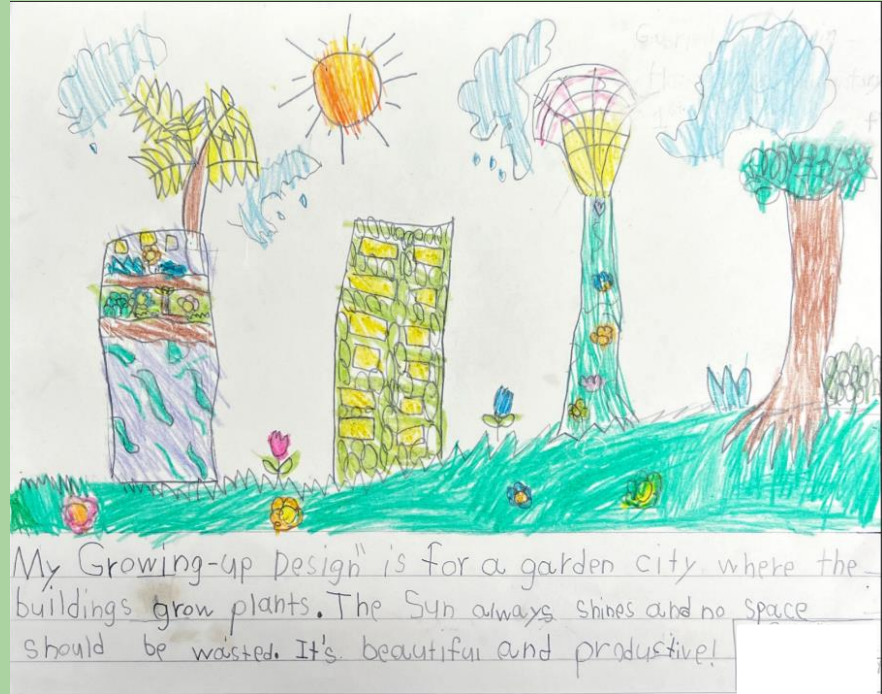


## Challenge 2A: Growing Up-Design (PreK-1<sup>st</sup> Grade)

Gabriella G.

Howard Drive Elementary  
School

**SPECIAL MERIT:**  
**Best Use of Color**

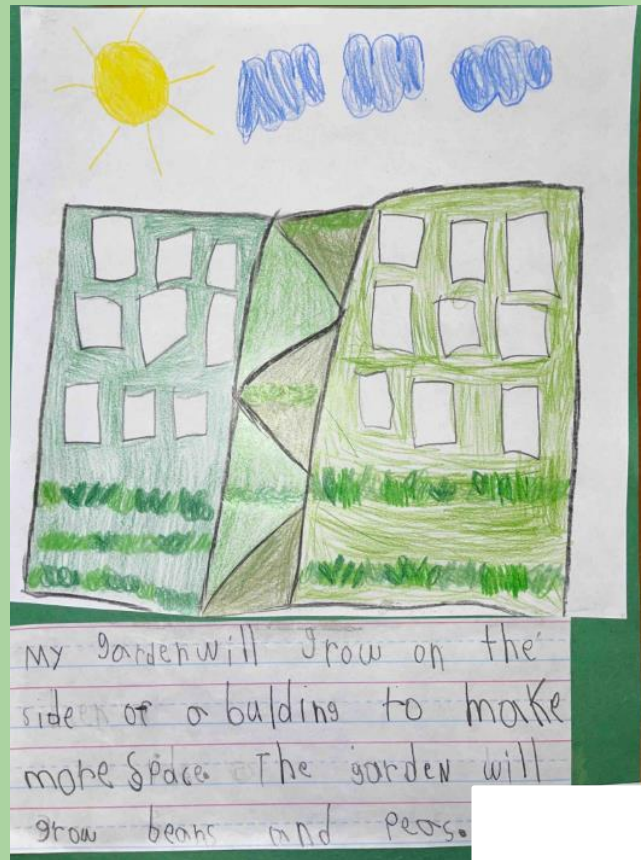


## Challenge 2A: Growing Up-Design (PreK-1<sup>st</sup> Grade)

Kathelyn G. and Ian M.

Youth Co-Op Charter  
School

SPECIAL MERIT:  
Innovative Idea

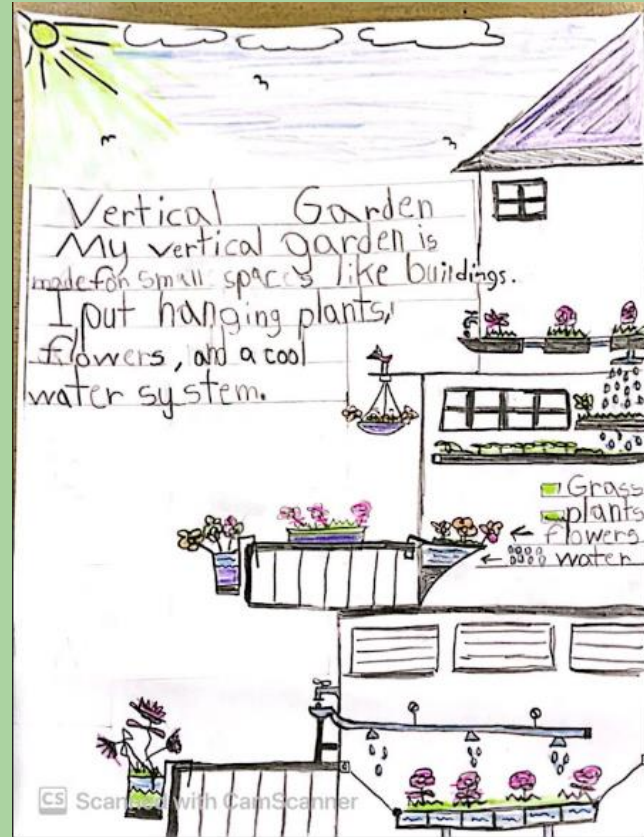


# Challenge 2A: Growing Up-Design (PreK-1<sup>st</sup> Grade)

Michael R.

Ben Sheppard Elementary  
School

SPECIAL MERIT:  
Creative Composition



## Challenge 2A: Growing Up-Design (PreK-1<sup>st</sup> Grade)

Nickolas D.

Palmetto Elementary  
School

SECOND PLACE



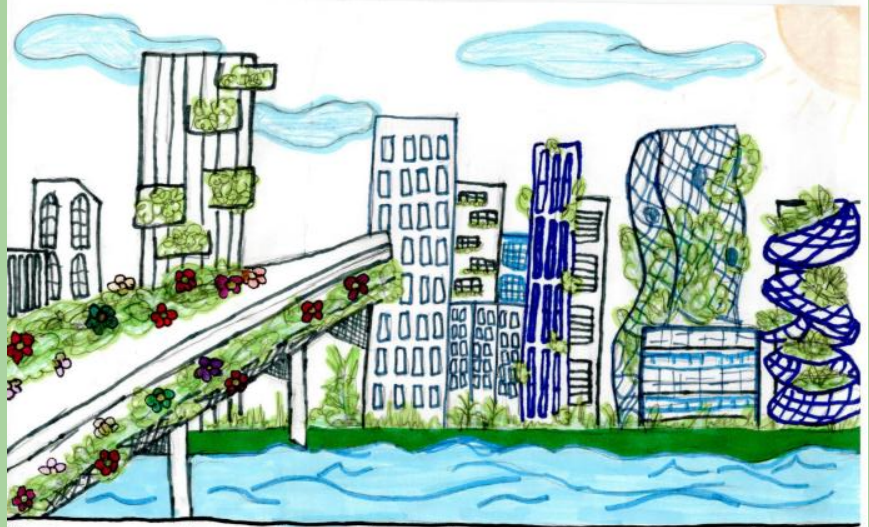
My idea for a garden is to do it in everyone's kitchens. Where people could grow it themselves and use it whenever they need to. Make a closet with selves and have lights to make the food grow. Have a system to water the fruit and vegetables.

## Challenge 2A: Growing Up-Design (PreK-1<sup>st</sup> Grade)

David L.

Dante B. Fascell  
Elementary School

FIRST PLACE



My Garden would be modern and would surround buildings with a water system. There would also be designed buildings that are meant to grow more plants and there would just be more greenery even in tight spaces. It will allow for better life and more oxygen.

# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

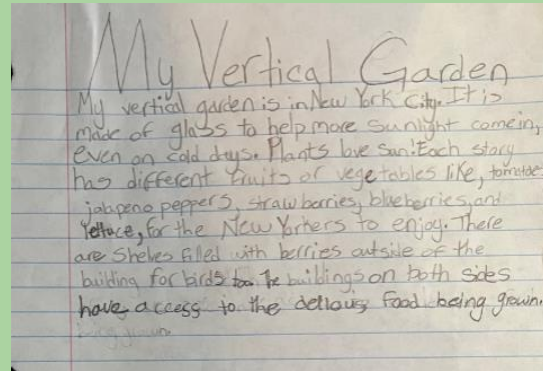
## CHALLENGE 2B: Growing Up - Design

## Challenge 2B: Growing Up-Design (2<sup>nd</sup> – 3<sup>rd</sup> Grade)

Roslyn M.

Avocado Elementary  
School

SPECIAL MERIT:  
Wonderful Writing

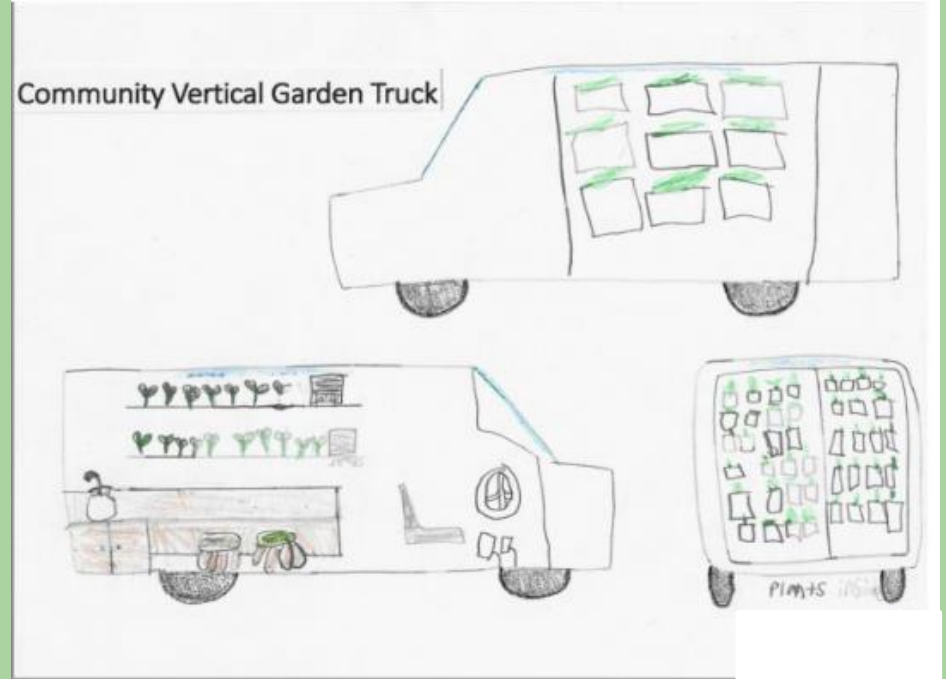


## Challenge 2B: Growing Up-Design (2<sup>nd</sup> – 3<sup>rd</sup> Grade)

Brayden H.

Air Base K-8 Center for  
International Education

SPECIAL MERIT:  
Innovative Idea

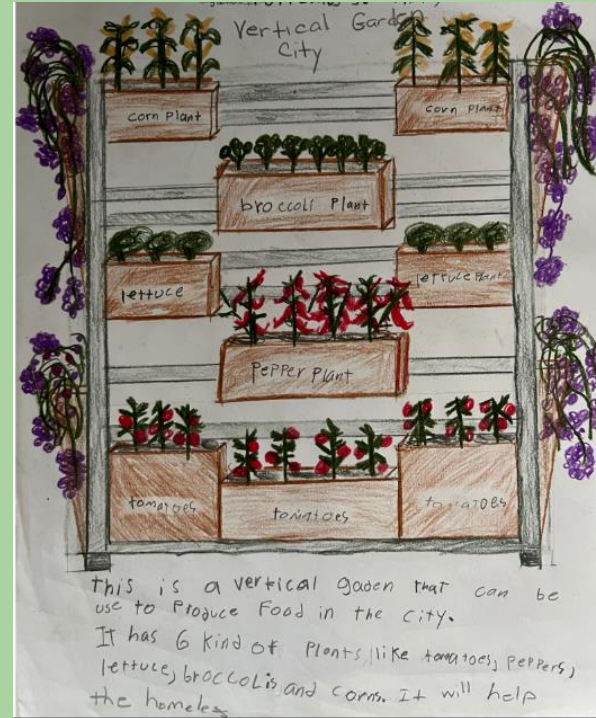


## Challenge 2B: Growing Up-Design (2<sup>nd</sup> – 3<sup>rd</sup> Grade)

Victor R.

Dr. Carlos J. Finlay  
Elementary School

SPECIAL MERIT:  
Creative Composition

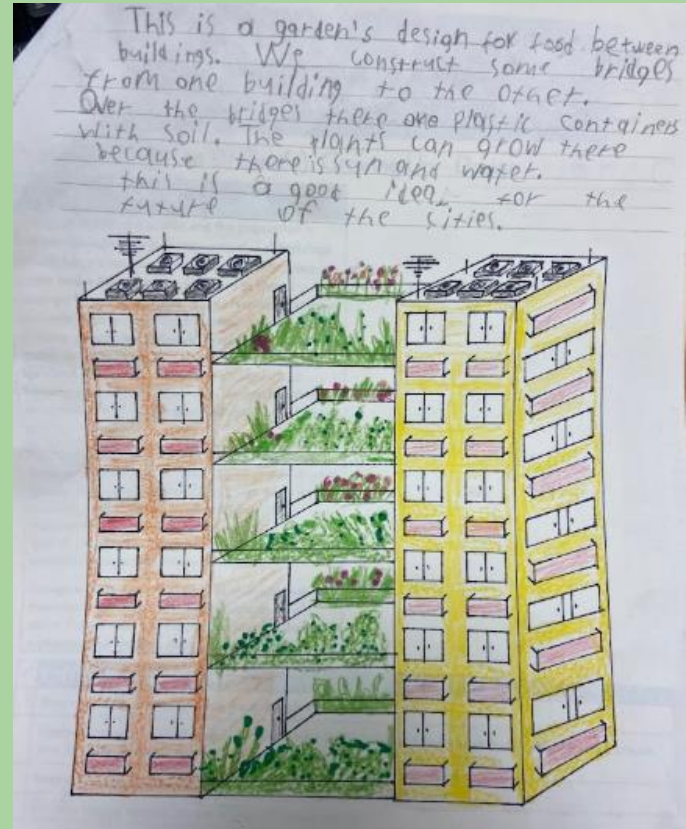


## Challenge 2B: Growing Up-Design (2<sup>nd</sup> – 3<sup>rd</sup> Grade)

Jake C.

Greenglade Elementary  
School

SECOND PLACE



## Challenge 2B: Growing Up-Design (2<sup>nd</sup> – 3<sup>rd</sup> Grade)

Jason O.

Coral Park Elementary  
School

FIRST PLACE



# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

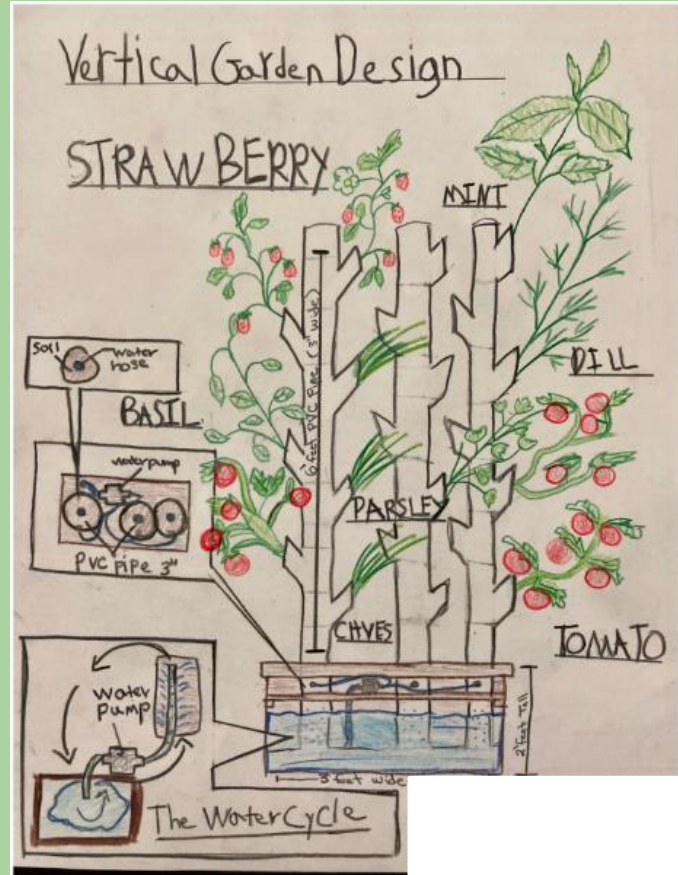
## CHALLENGE 2C: Growing Up - Design

## Challenge 2C: Growing Up-Design (4<sup>th</sup> – 5<sup>th</sup> Grade)

Christopher C.

Dr. E. L. Whigham  
Elementary School

SPECIAL MERIT:  
Detailed & Practical



## Challenge 2C: Growing Up-Design (4<sup>th</sup> – 5<sup>th</sup> Grade)

Sienna N.

I Preparatory Academy

SPECIAL MERIT:  
Creative Composition

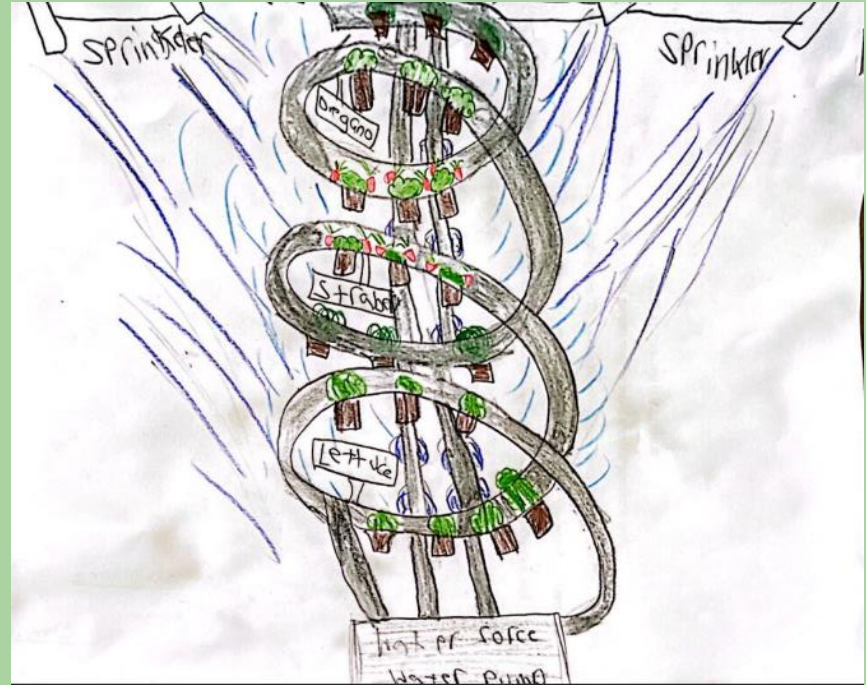


## Challenge 2C: Growing Up-Design (4<sup>th</sup> – 5<sup>th</sup> Grade)

Marcos N.

Ben Sheppard Elementary  
School

SPECIAL MERIT:  
Innovative Idea



# Challenge 2C: Growing Up-Design (4<sup>th</sup> – 5<sup>th</sup> Grade)

Samuel T.

Zora Neale Hurston  
Elementary School

SPECIAL MERIT:  
Wonderful Writing

## Rainwater Vertical Garden

As a solution to the scarcity of land and the need to optimize resources to generate food.

I propose a vertical horticulture system for aromatic plants, consisting of:

A rainwater storage tank placed on top of the building,

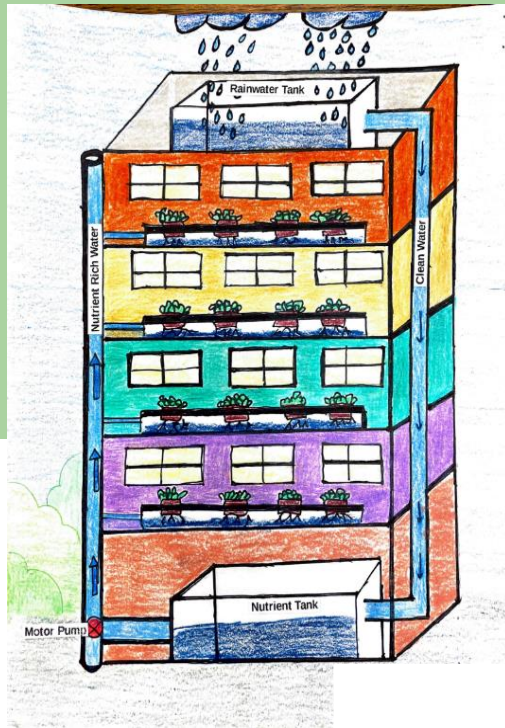
Metal structures attached to the front of the building that will support fiberglass modules and pots with inert substrates.

A nutrient deposit in the basement of the building.

PVC pipes that interconnect: the rainwater storage tanks, the nutrient tank and the fiberglass modules.

A pump that will drive the water with nutrients to the different fiberglass tanks for the plants.

I believe that vertical gardens help us improve air quality, beautify the space, give us fresher produce and fewer pesticides.

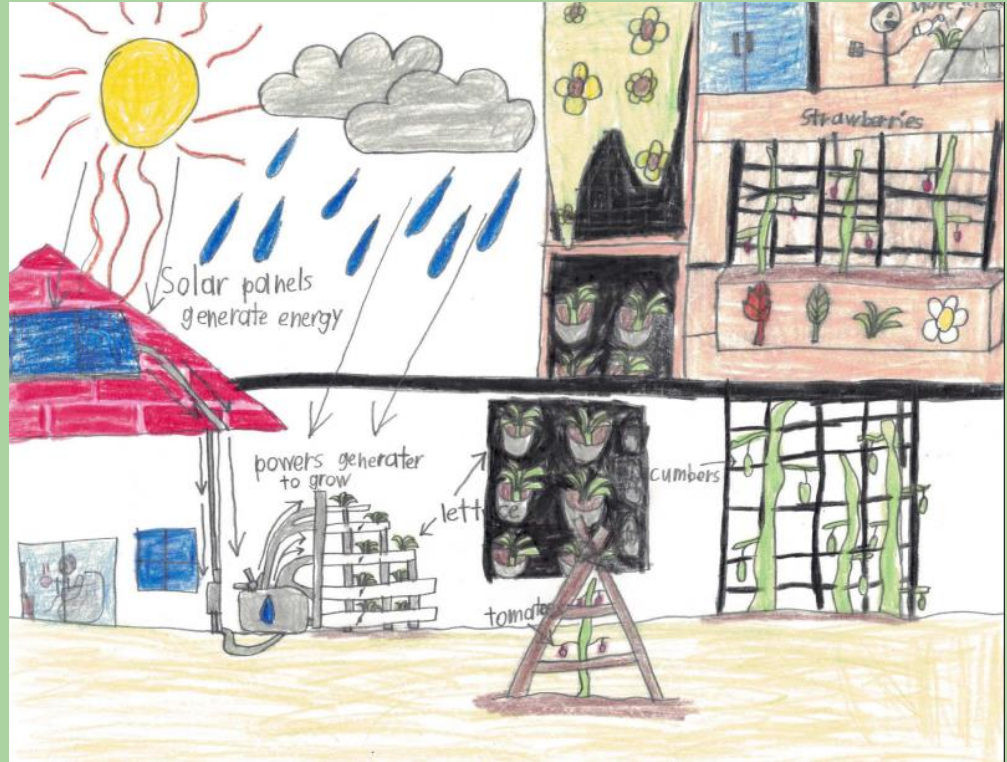


## Challenge 2C: Growing Up-Design (4<sup>th</sup> – 5<sup>th</sup> Grade)

Joshua P.

Bob Graham Education  
Center

SECOND PLACE

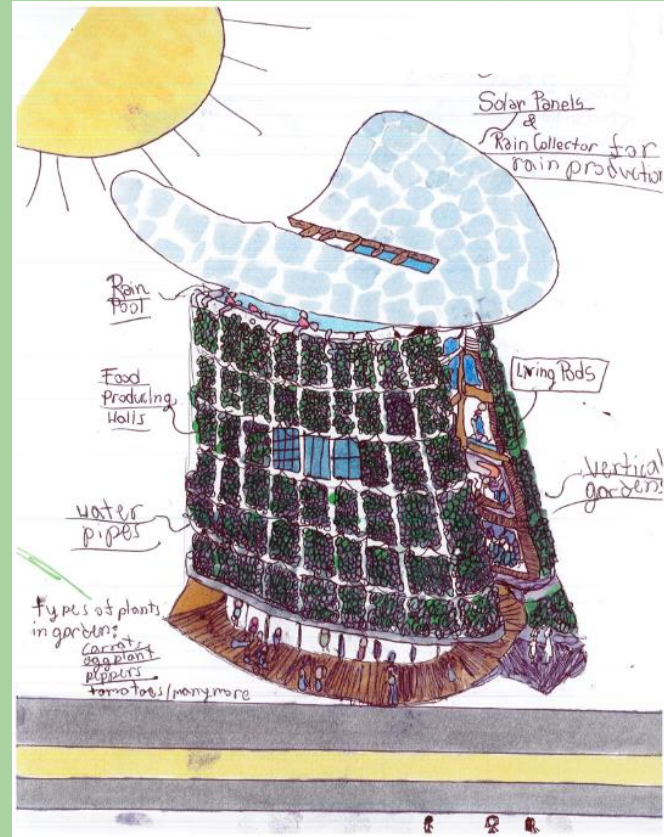


## Challenge 2C: Growing Up-Design (4<sup>th</sup> – 5<sup>th</sup> Grade)

Allison M.

Ernest R. Graham K-8  
Center

FIRST PLACE



# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

## CHALLENGE 3

Shade Our Schools –  
Leaves are Cool!



MIAMI

# Shade Our Schools – Leaves are Cool! Teacher Workshop

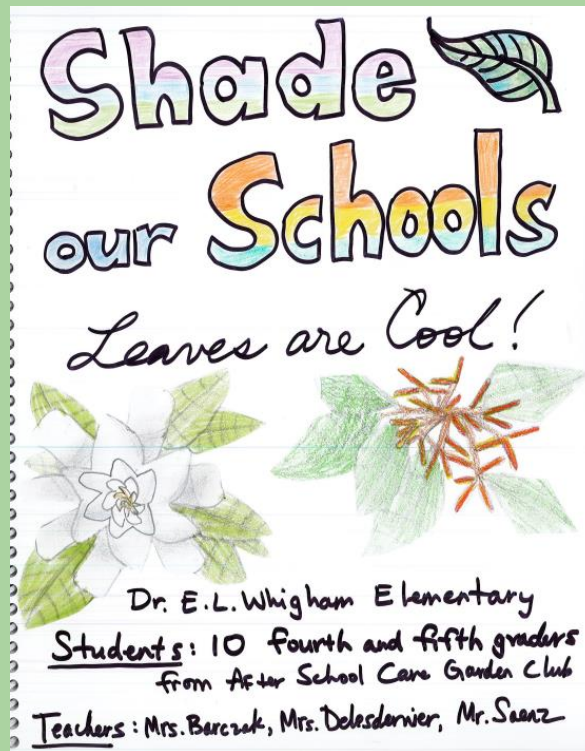


## Challenge 3: Shade our Schools – Leaves are Cool!

Whigham ASC Garden  
Club

Dr. Edward L.  
Whigham Elementary  
School

SPECIAL MERIT:  
Creativity

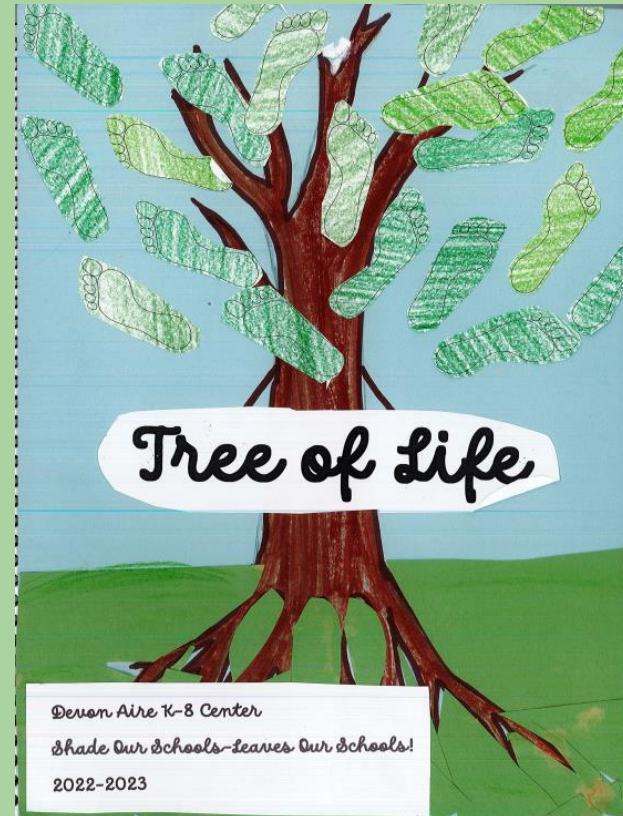


## Challenge 3: Shade our Schools – Leaves are Cool!

Gifted Classes K-5

Devon Aire K-8 Center

SPECIAL MERIT:  
Collaboration



## Challenge 3: Shade our Schools – Leaves are Cool!

Sylvania Heights Students

Sylvania Heights  
Elementary School

SPECIAL MERIT:  
Best Artistry

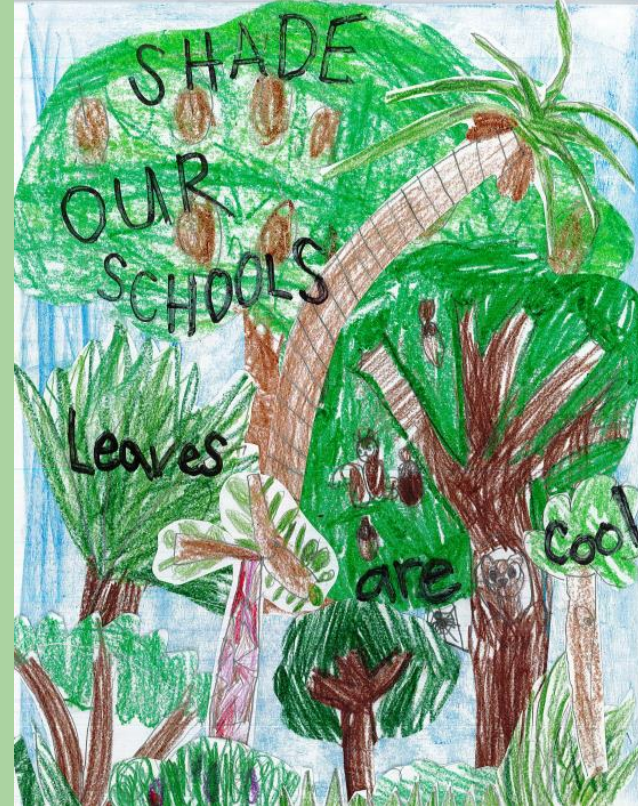


## Challenge 3: Shade our Schools – Leaves are Cool!

Kindergarten Class

The Growing Place  
School

SPECIAL MERIT:  
Budding Botanists



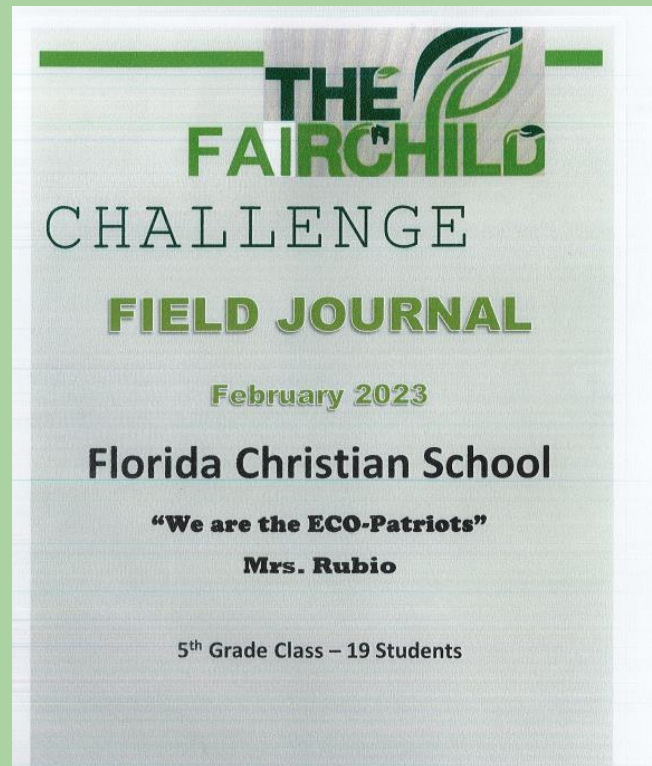
## Challenge 3: Shade our Schools – Leaves are Cool!



5<sup>th</sup> Grade Class –  
Eco Patriots

Florida Christian  
School

SECOND PLACE



# Challenge 3: Shade our Schools – Leaves are Cool!

5<sup>th</sup> Grade

Renaissance  
Elementary Charter  
School

FIRST PLACE



# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

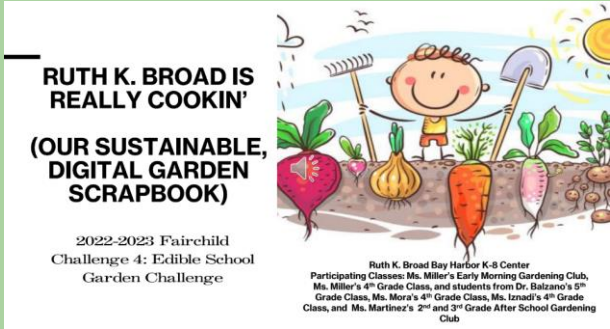
## CHALLENGE 4: School Garden – Edible Garden

# Challenge 4: School Garden – Edible Garden

## Garden Club

Ruth K. Broad/Bay  
Harbor K-8 Center

SPECIAL MERIT:  
Community Action



# Challenge 4: School Garden – Edible Garden

## Gardening Club

## Fulford Elementary

## SECOND PLACE



### Fairchild Challenge 4 Garden School: Fulford Elementary Cookbook

Ms. Costa  
Ms. Richardson  
Ms. Ledgister  
Ms. Germain  
Ms. Francois  
Ms. Michel

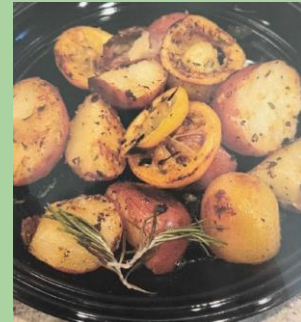
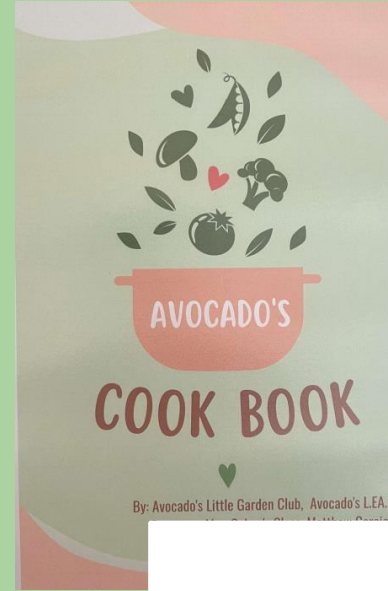


# Challenge 4: School Garden – Edible Garden

Students, Teachers,  
Staff

Avocado Elementary

FIRST PLACE

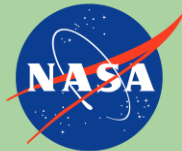


# THE FAIRCHILD CHALLENGE



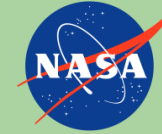
Changing the way we understand and live with nature

## NATIONAL CHALLENGE : The Next NASA Mission Patch



This presentation is based upon the work supported by NASA under grant award No. NNH21ZDA001N-SciAct. Any opinions, findings and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Aeronautics and Space Administration.

# National Challenge – The Next NASA Mission Patch



Andrea D.

Coral Park Elementary

SPECIAL MERIT:  
“Bright” Design



# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

## THE FAIRCHILD CHALLENGE

## SCHOOLS OF EXCELLENCE

# The Fairchild Challenge Schools of Excellence

**5 years**

Key Largo School

North Beach Elementary

# The Fairchild Challenge Schools of Excellence

10 years

Oliver Hoover Elementary

# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

## FAIRCHILD CHALLENGE AWARDS

# Fairchild Challenge Award Recipients



Coral Reef Montessori Academy Charter School

Palm Lakes Elementary

Palm Springs Elementary

Renaissance Elementary Charter School

St. Kevin Catholic School

# Top Schools - **BRONZE AWARDS**



Air Base K-8 Center for International Education

Florida Christian School

Oliver Hoover Elementary

Zora Neale Hurston Elementary

# Top Schools - SILVER AWARDS



Academir Charter School West

Ben Sheppard Elementary

Christi/STEPSS

Coral Park Elementary

Dr. Edward L. Whigham Elementary

Ernest R. Graham K-8 Academy

Kendall Square K-8

Kensington Park Elementary

Key Largo School

La Scuola

Palmetto Elementary

Pinecrest Elementary

Sunset Park

Sylvania Heights Elementary

# Top Schools - GOLD AWARD

## North Beach Elementary

&

## The Growing Place School

# THE FAIRCHILD CHALLENGE



Changing the way we understand and live with nature

Congratulations and Thank You!  
Elementary School  
2022-2023



The Batchelor Foundation

The Fairchild Challenge is made possible by the generous support of the Batchelor Foundation.