



Evans High School Agriculture Program Proposal

Fleet Farming Introduction:

Fleet Farming is a bike-pedaled urban agriculture program of the United Nations accredited nonprofit, IDEAS For Us. This program converts underutilized lawn space into micro-farms called “farmlettes” and educates the community on how to grow food for free through monthly events occurring in Audubon Park and Parramore. It was founded in Orlando, Florida in 2013 during a monthly workshop known locally as The IDEAS Hive where participants began conceptualizing the Fleet Farming business model to combat the environmental challenges of the monoculture/ agricultural system.

The Fleet Farming Mission is to **“Empower All Generations To Grow Food”** and has expanded programming to incorporate a custom garden installation service called **Edible Landscapes** to facilitate growing produce locally at low income schools, assisted living facilities, hospitals and residential homes.



Evans High School: Community School Partnership

Evans High School is a place with high expectations for all students, faculty and staff. At Evans, teachers and students work together to build a strong, academic foundation based on state and national standards. This school strives to provide a rigorous and relevant high school experience with the character, climate, culture, and curricula that is competitive with any public or private institution. However, this is a title one school where more than 90% of the students are on free or reduced lunch. Through many attempts, the school has struggled to have a successful garden program although, providing fresh produce to the pantry as well as forming a pop up snap certified farmers market would be a tremendous resource to this school located in the heart of a food desert.

- **Location:** 4949 Silver Star Rd, Orlando, FL 32808
- **Primary Contact:** Nzinga Castleberry - Nzinga.Castleberry@ocps.net



Evans High School Garden Project and After School Program:

After touring the amazing campus of Evans High School, it was clear that a partnership with Fleet Farming would be a fun and engaging opportunity that every student in the garden club can participate in. This collaboration can help to demonstrate multifaceted systems for growing food while working hand in hand with every garden club participant. After the renovation/ irrigation installation is completed, a custom handcrafted “How To” guide help guide will be distributed to the faculty overseeing the garden to create a fully sustainable gardening program and activate their willingness to advance the growing experience.



Project Proposal Descriptions : Short/ Long Term Goals

- **Phase 1:** Clearing out/ fixing the current raised beds located at the premises.
 - Buy seeds for their inventory and provide information/ 3 free lessons to the faculty/ students for the garden program.
- **Phase 2:** Installing DIY irrigation with PVC piping to the current shade house and the greenhouse and help educate the teachers on the importance of weathering plants. ***Note- it would be worth hiring a professional installer if additional funds would contract this work- we can only offer DIY quality***
 - The shade house structure is currently inactive but could be a valuable resource.



- Edible plants starts are also SNAP (Supplemental Nutrition Assistance Program) certified if sold at a farmers market.
- **Phase 3:** Adding the number of raised beds on campus to help increase vegetable production.
 - Behind the greenhouse there is land that is not being utilized and this space can support 12 additional raised beds to increase vegetable production.

Desired outcomes:

- Launch a successful after school garden program at Evans High School paired with a Future Farmers of America club.
- Classes to Impact a minimum of 30 - 40 students in the afterschool programming per semester during the program which will occur every week.
- Produce enough vegetables to support an on campus pantry or potential pop-up farmers market for parents to purchase student grown produce on site. Impact could benefit more than 300 students and families.
- Hire the Fleet Education team to support afterschool seasonal classes for longer term support engaging with the students and help with coordination one on one with the agricultural teachers.
- Schedule 1 soil/ plant replacements for the on campus raised beds to help support productivity after a year's seasons to restore the soil which will erode over time.
- Help to incubate a pop up farmers market, utilizing staff time to help train participants for long term fundraising to support the garden program after the grant has run out. Goal to have the market once per week once production is in full growth.

Name of Evans High School Project	Description	Quantity	Budget
Phase 1: Renovating existing raised beds			
Compost	Compost drop on site to fill the beds with nutrient rich soil	1 Compost Drop	\$350.00
Irrigation	Timer and Drip Line Tubing	Entire Raised Bed Garden	\$150.00
Truck/ Trailer rental	Needed for new garden installations, for the greenhouse materials to be sources/ transported.	4	\$550.00
Weedliner	Pins & weedliner	2 full roll of weedliner and box of pins	\$450.00
Installation Labor	Estimated time for the project- 3 days with 5 employees compensated.	1 time cost	\$2,500.00
Additional Plank	Higher raised beds can help keep soil from decomposing as well as allowing space for deeply rooted crops	9	\$1,500.00
Phase 2: Shade House / Greenhouse Irrigation Installation			
* Irrigation - Greenhouse	Timer and Drip Line Tubing with a timer (could also be contracted out by a professional installer*)	2 structures irrigated DIY	\$5,500.00
Seeds	Florida friendly vegetables with a guarantee of production.	1 year's worth of inventory	\$1,500.00
Tools	Shovels, Gloves, Sprayers, hoses, labels, organic soil amendments, etc.	1 year's worth of inventory: materials for 30 students each	\$2,000.00

		term	
Bags of Soil for Greenhouse	At least 100 bags of compost will be needed for the greenhouse in the first year	100	\$500.00
Pots/ Seed trays	Needed for the first season of growing in the greenhouse. Most will be recycled back into the greenhouse activities.	1 year's worth of inventory	\$200.00
Shelving / Storage	2 Large storage units for gloves, shovels, pots and all garden materials	2	\$800.00
Mico- Green Supplies	Micro greens are a superfood and highly productive. Large source of revenue and nutrients.	1 year of Microgreen production	\$1,000.00
Greenhouse Labor	cleaning/ organizing and installing greenhouse materials, etc.	1 time cost	\$1,500.00
Greenhouse Sanitation	All pots and materials must be sanitized	1	\$150.00
Pest Management Materials	Organic insect repellents and deterrents- food safety approved	1	\$150.00
Phase 3: Additional Raised Beds			
Raised Bed Garden	4X8 double stack garden bed installation	8	\$5,600.00
Garden Bed Irrigation	Timer and Drip Line Tubing	Entire Raised Bed Garden	\$250.00
Compost Drop	Compost drop on site to fill the beds with nutrient rich soil	1 Compost Drop	\$350.00
Mulch Drop	18 cubic yards of mulch	1 mulch drop	\$350.00
Permanent Composters on Site	Stationary Composters for longterm compost support	2	\$250.00
Soil Replacement	Support from the Edible Landscapes team to replace soil after 1 year of production to revitalize the soil due to decomposition of the soil over time.	1	\$800.00
Fleet Garden Education	50 classes to help educate the teachers and students involved throughout the year	50	\$12,500.00
Class Materials Budget	Handouts, presentation materials, lesson plans, activities, quizzes, exams,	50	\$2,500.00
Farmers Market Materials	Vegetable Packaging for one year plus tabling equipment, record keeping materials, ipad, credit card reader, accounting help.	1st year trial	\$12,700.00
Communications Team	Videos, photos, blogs, marketing materials for vegetable sales,	1	\$1,000.00
Administrative costs	Design, implementation, overseeing project outcomes and deliverables, payroll fees etc.		\$5,000.00
Total:			\$60,100.00