



Sante Fe Middle School

Garden Rehabilitation Proposal Phase one: Native Pollinator Education Garden

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Overview:

Rehabilitate current garden at Sante Fe Middle School into an active pollinator and native garden aimed at being an experiential, lively, outdoor education space.

Objectives:

- 1) Revitalize the existing growing space for class experimentation and exploration.
- 2) Rehabilitate the far west end to contain a native and pollinator education garden.
- 3) Enhance outdoor learning environment by adding zones for group education and education signage.

Opportunities:

- 1) Outdoor classroom space will allow students to learn in an experiential and active outdoor environmental lab space. Students can spread out in a variety of ways in the space learning from signage and real-time examples in front of them.
- 2) Experimentation with the revitalized raised beds will give teachers and students a hands-on educational experience and learning environment.
- 3) Community partnerships are a key part of learning and working collaboratively. Food ED brings resources and expertise to the Sante Fe community.
- 4) Food ED is a local Monrovia nonprofit that can care for the garden year-round. This means less burden to the school and district to upkeep another space.

Details:

Food ED collaborates with communities and schools to construct and sustain edible education sites hosting programs on ecosystem stewardship, healthy living, and environmental innovation and entrepreneurship.

Food ED is excited to present a two-phase proposal focused on rehabbing the current space and providing students with room to spread out and learn in an active STEM environmental learning garden. We are ready and equipped to transform the current garden that has been abandoned. We are able to give this space a much-needed revitalization as it is highly trafficked by all students in science classes and can serve as a vital hands-on learning space. It can also be utilized by the science teachers year-round to enhance their classroom activities and curriculum. It can be a point of Cougar pride and active engagement in the STEM environmental learning process.

Photos of current space



Figure 1.1



Figure 1.2

With our vision in front of us, our team plans to revitalize the current space while working towards funding and grants to completely overhaul the space in Phase Two.

Phase One Overview:

Phase One will:

1. Provide renewed soil, seeds, and compost to use the current raised beds as active experimental sites.
2. Install a native pollinator garden at the west end of the garden. The garden will contain native trees and plants as well as pollinator plants that will become an outdoor environmental lab for the students to learn amongst and explore.
3. Implement a pollinator habitat for hands-on learning in the environment.
4. Add signage, umbrellas, and seating for students and teachers to use the space at all times.

Phase One Site Renderings:



Figure 2.1



Figure 2.2



Figure 2.3



Figure 2.4

Scope of Work for Phase One includes the following:

- Extensive rehabilitation of the existing raised beds involving removal of overgrowth, replacing soil and plants to maintain a healthy growing system.
- Salvaging the current Sante Fe lettered wall garden.
- Revitalizing the west end of the garden to include a native and pollinator outdoor education area. This space holds many plants and two native or fruit trees.
- Signage in visible areas explaining what is in the space to staff and students.
- Mounting umbrellas in key locations.
- Pollinator habitat for active education demonstrations.
- Minimal irrigation system for the maintenance of these plants and trees.

Responsibility of School:

School will provide a dumpster for grass removal, but Food ED will supply labor to remove grass. School will provide a water spigot on the west end to which Food ED will attach an irrigation timer system and garden irrigation tubing. School will continue to mow grass around boxes.

Projected Costs:

The costs here represent an estimated total cost for Phase One without gift-in-kind and donations. Half of the cost is due at the beginning of the project and we will bill for the second half once final costs and gift-in-kind are factored into the project.

If the school would like ongoing maintenance and repairs to the garden, there is one-time fee for 12 months of those services as well.

Item	Projected Cost
Hardware and repair material	\$315.00
Plants, Trees, and Soil	\$1,300
Irrigation material	\$350
Signage	\$900
Install/rehab of plants, raised beds, and irrigation	\$4,200
Seating	\$500
	\$7,565.00
Ongoing maintenance and replacement materials (for 12 months from completion of build)	\$2,500

Phase Two Renderings:

The second phase of this project is part of a larger collaboration with Amigos de Los Rios. We envision a larger vegetable garden moving to a different part of campus making space for a larger native plant garden in the science wing of Sante Fe. These are initial renderings for Phase Two.



Figure 3.1



Figure 3.2



Figure 3.3



Figure 3.4

At this time, we are not including scope of work and proposed budgets as those are being worked on with Amigos de Los Rios. We are excited at the potential of the space being a beautiful natural habitat for the students to learn

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