

AGENDA

**COMMUNITY AFFAIRS COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT**

Thursday, April 5, 2018 –8:30 a.m.
1960 La Costa Avenue, Carlsbad, CA 92009

- 1. Call to Order**
A. Teleconference with President Sullivan
913 W. Agitate #1
Chicago, IL 60640
- 2. Roll Call**
- 3. Public Comment**
- 4. New Business**
A. Review the Teacher Grant Applications. (Pages 2-11)
- 5. Information Items**
None.
- 6. Directors' Comments**
- 7. General Manager's Comments**
- 8. Adjournment**

MEMORANDUM

DATE: March 30, 2018
TO: Community Affairs Committee
FROM: Paul J. Bushee, General Manager
SUBJECT: Review of Teacher Grant Applications

**RECOMMENDATION:**

Staff requests that the CAC recommend that Board of Directors:

1. Award Teacher Grants; or
2. Discuss and provide direction, as appropriate.

DISCUSSION:**Tactical Goal: Services/ Teacher Grant Program Awards**

During November 2017, staff provided the teacher grant information to nine elementary schools, one middle school, and one high school indicating that the submission deadline was March 22, 2018. The District received the following three applications by the deadline:

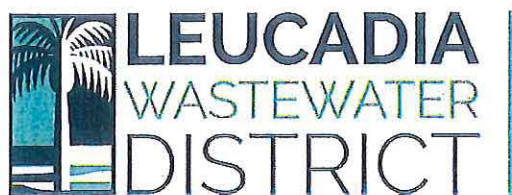
Received Teacher Grant Applications:

Applicants	School	Amount Requested:	Project
June Honsberger	La Costa Canyon High School	\$1,000	Drought Tolerant Garden
Martin Chaker	San Dieguito Acedemy	\$1,000	SDA Garden Project
Lauren Humann	Olivenhain Pioneer Elementary	\$1,000	Storm Drain

The applications have been attached for your review. The FY 18 budget includes \$5,000, which is intended to fund up to five \$1,000 teacher grant applications. Staff recommends that the CAC review the teacher grant applications and forward the qualified applications to the Board of Director's at the April 9, 2018 meeting for their approval.

th:PJB

Attachments



LEADERS IN
ENVIRONMENTAL
PROTECTION

Grant Application Form

During the 2017-2018 school year Leucadia Wastewater District will award grants to teachers in local elementary, middle, and/or high schools in LWD's service area. The District anticipates awarding up to five grants up to \$1,000 each.

Use this cover sheet as page one of your application. Identifying information is to be included on the cover sheet only. IN YOUR PROJECT NARRATIVE DO NOT INCLUDE YOUR NAME, THE NAME OF YOUR SCHOOL, OR THE NAME OF YOUR DISTRICT. Completed applications MUST BE emailed to asarmiento@lwwd.org or received by Thursday, March 1, 2018.

IDENTIFYING INFORMATION

June Honsberger

Teacher's name

9-12

Earth Science

Grade

Subject

La Costa Canyon High School

San Dieguito Union HS District

School name

District

1 Maverick Way, Carlsbad, CA 92009

School address, including street, city and zip

Bryan Marcus

760-436-6136

Principal's name

School phone number

LCC Foundation

Name of parent organization (i.e. PTA or school foundation)

Drought tolerant Garden

\$1000

Project title

Grant amount requested

June honsberger

Digitally signed by June honsberger
DN: cn=June honsberger, o, ou, email=june.honsberger@sduhsd.net, c=US
Date: 2018.02.26 10:28:31 -08'00'

Teacher's signature

Please tell us how you heard about this program

email

☐ Posture/Flyer ☐ Web site ☐ Another Educator ☐ Newsletter ☒ Other

Drought Tolerant Garden

A. Description of Project:

This water use project will have students re-design, plant and maintain the drought tolerant garden at the entrance to our school. The garden showcases our schools commitment to the wise use of our limited water resources. The project will allow students to experience nature and the connections between local climate, native plants and the water cycle. The class will investigate the benefits of providing a habitat for native wildlife through a variety of garden activities and experiments. These hands on activities require garden tools, soil, compost, plants, trees, seeds, and mulch. Funds are needed to make this garden project a success. The grant would be used to purchase necessary supplies.

This garden project will involve two classroom teachers and 90 high school science students, grades 9-12. The project will be on going and will begin in April 2018. The classes will be responsible for maintaining the outdoor garden for the duration of the school year. Our parent foundation will provide the shovels and wheelbarrows needed for this project.

B. Learning Objectives

Students will understand the water cycle and the symbiotic relationship between local climate, native plants and wildlife. Students will study our arid climate in Southern California and how it affects the choices we make in our garden. Students will research and choose low-water plant varieties. Students will record and graph growth patterns in plant varieties to determine the characteristics of successful gardening.

C. Budget

Item	Quantity/vendor	Amount	Non-Consumables
Hose reel	1 @ 25.00- Home Depot	\$25	x
50' hose & nozzle	2 @ 25.00 – Home Depot	\$50	x
Garden Soil & Mulch	30 @ 5.00 – Home Depot	\$150	x
Watering cans	15 @ 5.00 – Home Depot	\$ 75	x
Plants, Trees & Seeds	Sunshine Gardens/Andersons	\$700	
	Total	\$1000	



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IDENTIFYING INFORMATION

Martin Chaker

Teacher's name

9-12

Math

Grade

Subject

San Dieguito Academy

SDUHSD

School name

District

800 Santa Fe Drive, Encinitas, CA 92024

School address, including street, city and zip

Adam Camacho

(760) 753-1121

Principal's name

School phone number

SDA Foundation

Name of parent organization (i.e. PTA or school foundation)

SDA Garden Project

\$1000

Project title

Grant amount requested

Teacher's signature

Please tell us how you heard about this program

☐ Posture/Flyer ☐ Web site ☒ Another Educator ☐ Newsletter ☐ Other

A. Description of the Project

Our High School's Landscape Design Club was formed by students who felt the need to create places on campus that responded to their needs. For the past two years our campus has been under construction. In the process, the small garden that students in the club had been working on was demolished to make room for the new ELA and Social Sciences building. Before the demolition, students in the club removed 620 retaining wall blocks from the demolition site and relocated them to a neglected hillside of campus. Over the past several months, these students have used the blocks to build raised terraces that will serve as the foundation for their new vegetable garden. Images of the garden and plan are included at the end of the application.

As the site of the new garden lies below a softball field and the student parking lot, one of the concerns has been the quality of the water that enters the garden from these areas. This has become a great learning opportunity for several students in the club who wanted to learn more about the storm water and where it goes. These students began attending SWPPP (Storm Water Pollution Prevention Plan) meetings and are currently working with SWPP interns on designing a system for managing the storm water to and from the garden. Their design concepts make use of engineered soil, rocks, and vegetation specifically chosen to slow water flow and prevent erosion.

Staff members involved in the project are the SWPPP Internship Coordinator and myself as the Landscape Design Club Faculty Advisor. The project is the construction of a treatment for the hillside adjacent to the school's vegetable garden that will slow the storm water flow and filter it before it reaches the storm drain. In kind resources include faculty and student time, labor, and tools. The timeline for this project would be for completion before next winter to anticipate storm water run-off.

B. Objectives

Outcomes for this learning experience would be for students to understand the pollutants that are in storm water run-off. Students will analyze the site's topography and determine where the storm water comes from and learn of the stresses on the local watershed and ecosystem. Students will apply their knowledge to a design that takes site specific factors into account. Students will see the project through by building their design on the hillside, monitoring its efficacy, and making changes as appropriate.

C. Budget

Rocks and Hardscape Materials: \$500

Soil and Soil Amendments: \$300

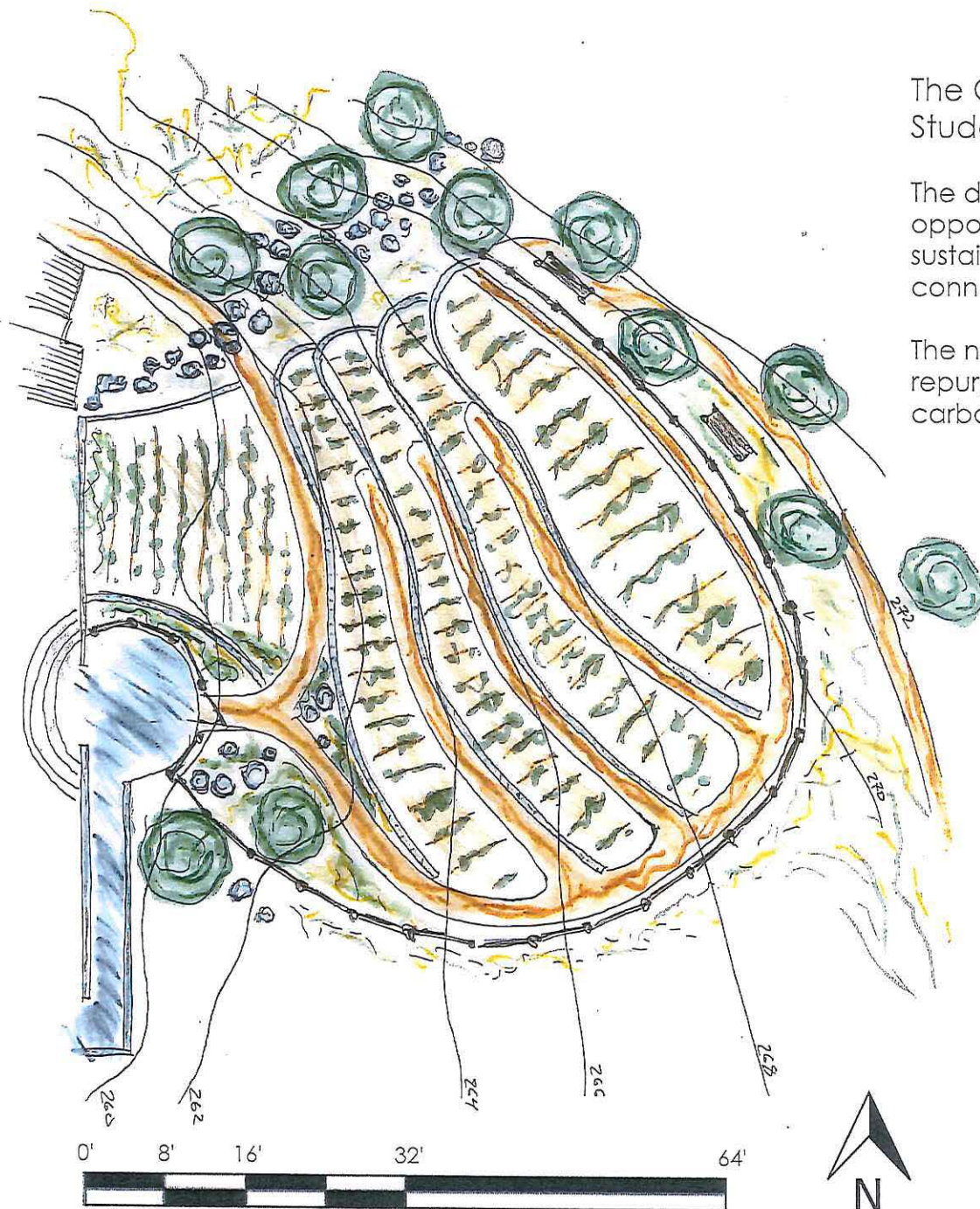
Plantings: \$200

The Garden Design... Student led place-making.

The design intention of the garden is to provide opportunities for students to gather and promote sustainability, healthy eating, well-being, and connection with the land.

The natural contour of the landform and repurposed materials are used to minimize the carbon footprint of the build.

8





If You build It...
A design-build learning experience.

The garden is entirely student built.
Students form a real connection with
the land by utilizing timeless building
techniques.

They do not earn a grade and all materials
are repurposed or donated.



1 of 1



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IDENTIFYING INFORMATION

LAUREN HUMANN
Teacher's name

K-6 PE PE
Grade Subject

Olivehain Pioneer Elementary Encinitas Union
School name District

6000 Calle Arroyo CARLSBAD CA 92009
School address, including street, city and zip

Per Cameron (760) 743-2000
Principal's name School phone number

PTA
Name of parent organization (i.e. PTA or school foundation)

Stein Dean Stollers \$1000
Project title Grant amount requested

Yan H
Teacher's signature

Please tell us how you heard about this program

☐ Postcard/flyer ☐ Web site ☒ Another Educator ☐ Newsletter ☐ Other



A. Description of Project

My goal is to purchase a pack of 24 heart rate monitors for our campus to use. As the physical education teacher these will be used throughout various lessons some being focused on building muscular strength, while some working on building endurance. There is a school wide school trash competition which relates directly to our impact on ocean pollution, with these heart rate monitors we will be able to track our heart rate as students in P.E. class scour our campus for trash, in effort to save the trash from reaching storm drains. Heart rate monitors will demonstrate which activities brings ones heart rate higher and experience why and when their heart rate rises or falls. These can also be useful school wide in our health and wellness and science classes. I teach the school wide physical education which is 588 students, and these will bring value to each and every student! I will also share these with any teacher who would like to use them in their classes for any reason.

B. Objectives

This project covers the importance of heart health, unveiling to students aged k-6 about target heart rate and the importance of keeping your heart strong to reduce cancer, diabetes, and obesity. It also gives students the experience of what it feels like to get your heart up and gives tangible meaning to target heart rate zones.

C. Budget

The heart rate monitors cost a total of \$1419 for a set of 24 heart rate monitors. Physical education budget being \$250 as well as pitching this idea to the school PTA. Ideally I will bring forth this project during fitness testing for upper grade students in the month of April. This will be an ongoing resource for students to use!