

Funding Request Form

Please answer the following questions, and email a saved copy of this document to info@manelekoele.org. Please send as a WORD Document. Incomplete answers may delay or prevent you from being funded.

1. Name of the organization

Lanai High and Elementary middle school SPED

2. Is this organization a 501c3?

No.

a. If no, are you affiliated with a 501c3?

Hawaii State Department of Education

b. If yes, who?

3. Contact info:

a. Name:

Mark Sacco

b. Address:

PHYSICAL:

1211 Houston Street, Lanai City, Hawaii, 96763-0121

MAILING:

P.O. Box 630121, Lanai City, Hawaii, 96763-0121

c. Email:

mark_sacco@notes.k12.hi.us

d. Additional contact person:

Michele Holsomback

e. Phone # (808) 649 - 0374

- f. EIN (Employment Identification Number)

Do not understand where to locate this info.

3. Description and history of the organization

I have been teaching Special Education on at Lana'i High and Elementary since 2000. Currently, I have no computers of my own in my classroom. I get \$200 from the state to spend on equipment and supplies. I cannot adequately service my students' needs as my resources are very limited. The main population of students I serve have special needs, rarely do they get recognition for the skills they possess. I am trying to create a place where my students can experience academic success, contribute positively to their community, and get recognition for their talents. I am also trying to help my students explore different possible avenues for careers so they can start to get an idea of what kind of higher education and/or vocational skills they will need to pursue in the future.

5. Current Project:

- a. Name of project

Place based learning / Accelerated Math/ drone club.

- b. Rationale for project

Lanai High and Elementary school is moving towards a place/project based learning model, a teaching method in which students gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging and complex question, problem, or challenge. In [Gold Standard PBL](#), projects are focused on student learning goals and include Essential Project Design Elements:

- **Key Knowledge, Understanding, and Success Skills**
- **Challenging Problem or Question**
- **Sustained Inquiry**
- **Authenticity.**
- **Student Voice & Choice**
- **Reflection**
- **Critique & Revision**
- **Public Product**

Chrome books are needed for our student to access the resources necessary to complete research, develop knowledge bases, and acquire the skills required to successfully finish their projects.

The Chrome books will also be used for Accelerated Math, an interactive program that first tests the student's ability level and then provides word based assignments that focus on the skills the individual students' need to master the Math standards at their grade level. Accelerated Math is produced by the same company that developed our monthly Math/ELA formative assessment known as the STAR test, so it aligns seamlessly and will provide the data needed to accurately track the academic gains our students will realize using Accelerated Math.

The drones are needed for documenting and developing different projects and teaching the students how to ethically and responsibly control a drone.

I am developing a drone club which will allow the students to compete with other students at different schools. Each school develops its own track. The students from each school race on their individual tracks and record the races virtually. The drone club members will also use the drones to video tape sport practices (for feedback to the athletes), sporting events, events in the community, school activities and community needs such as search and rescue.

The drones will also be used as models so the students can develop ideas about unique drone designs they can create for specialized jobs such as pipe inspections, underwater exploration, and stealth drones capable of silent flight for nature documentaries. We already have a 3D printer so we can create unique parts in-house, but we will need to purchase a new 3D printer that can make parts from different materials in the future.

6. Total amount of Funding Request:

a. Date Funds will be needed:

Now would be nice. The Middle School has been invited to produce a segment for Hiki No on PBS and the drones and computers will be needed to shoot and edit some of the footage.

By the 2nd semester (January 5th) would also work as that will give me a semester for the students to complete their place/project based learning for the 2017-18 school year.

7. Itemized breakdown of the funding request: (Please include current budget for organization and for the proposed project)

10 – Dell Chromebook 13”, \$320 each	\$3,200.00
10 -- Google management licenses, \$26.08 each	\$ 260.80
4 -- Syma X5C Quadcopter/Drone, \$59.00 each	\$ 230.00
2 -- DJI Phantom 3 Advanced Quadcopter Drone \$829.00 each	\$1,658.00
Subtotal	\$5348.80
Tax	\$ 251.93
<u>Shipping</u>	<u>\$ 140.00</u>
Total	\$5740.73

8. Identify who the funding request would benefit, i.e. what age groups, etc. Include number and demographics of targeted population.

This grant would benefit all the middle school students at LHES. Their ages range from 10-14. They are a mix of Filipino, Hawaiian, White, Black, Micronesian. There are English Language Learners with learning disabilities, one with a physical disability. The use of computers in the classroom will impact the SpEd students most as computers in the classroom give these students a more equitable education with access to resources outside the classroom geared specially to overcoming their disabilities.

9. What specific goals are you trying to achieve? How will you evaluate success?

Currently, LHES has one of the lowest scores in the state for math and science. In Math, on the Smarter Balance Assessments (SBA) last year, NONE of my students had a rating of proficient or above. My goal is to see that the student's scores on the SBA at least double in the next 3 years.

I will use STAR test results for Math and ELA plus the Accelerated Math test results before and after implementation of the computers to document students' expected academic growth.

The effect of the drones may not be as easy to document due to the absence of standards directly relating to the operation of the drones. I am hoping the student's HSA Science testing will show 50% growth from their testing in 4th grade to their testing in 8th grade.

10. Other sources of funding the group has received or is planning on applying for

I used my school funds to purchase a site license for Accelerated Math for all of the middle school students (180 spaces).

11. **Supply a community reference and their contact information.**

Elton Kinoshita, Principal, Lana`i High and Elementary School

Ph: 808-565-7910 x226

Email: Elton_Kinoshita@notes.k12.hi.us

12. If you would like to include additional materials such as pictures, website, Facebook page, etc. to support your application, please attach them as separate documents, or include links to them. These additional materials are welcomed, but not required.