LA CAÑADA UNIFIED SCHOOL DISTRICT
REQUEST FOR APPROVAL OF SCHOOL SPONSORED ACTIVITY

TO: Wendy Sinnette

FROM: **Carrie Hetzel**

DATE: October 16, 2018

Activity Name and Destination: Pali Mountain Institute

Address: P.O. Box 2237, Running Springs, CA 92382

Date(s) of Activity: Monday, February 25, 2019 – Friday, March 1, 2019

School(s): Paradise Canyon Elementary School

Number of students Attending and Grade Level or Group: - 120 - 6th grade students

Supervising Certificated Employee (s): Christine Matthews, Edita Khanlarian, Katie Budde, Paula Ghermezian

How many administrators attending? N/A **How many teachers attending?** 4

Adult to Student Ratio: 1:30 **Employee to Student Ratio:** 1:30

How many substitutes? N/A **How many days?** N/A **Charge Substitute to:** N/A

Rationale for activity:

A) Explain the educational value and relate to the instructional program or sponsoring organization and Policy 110.) This excellent environmental education program is located at Running Springs, CA. Students learn through hands on experience and observation. Earth and life science conservation, environmental and natural resources are some of the areas of learning included in the Outdoor School curriculum. The sixth grade teachers will be part of the teaching staff.

B) Explain impact on instructional time and justification for any time lost.
Pali Institute has a very positive impact on our science program. Many of the California State Science Standards are covered. We refer to things taught at Pali Institute throughout the year. We would have to

shorten our math class throughout the year to cover the science that is taught at Pali, about 24 hours of Science.

C) <u>Complete Itinerary: Please be specific and include detailed activity time periods for each day.</u> (Attach additional pages if necessary.) See attached page

Destination/Date(s): February 25-March 1, 2019

Complete Cost Breakdown

Complete Cost Breakdown Per Student	Amount	Group Cost Per Student	Amount
Registration	$475	**Registration**	$57,000.00
Housing		**Housing**	
Transportation Method: Bus	$75.00	**Transportation**	$9,000.00
Miscellaneous Expenses		**Miscellaneous Expenses**	
Meals	**(included)**	**Meals**	**(included)**
Total Cost	**$550.00**	**Total Cost**	**$66,000.00**

Source of Funds: The funding for this activity will be provided by parent donations.

How is financial assistance provided to students in need: The Paradise Canyon PTA will provide assistance when needed.

If this activity is not planned for all students in a particular group, what provision will be made for students not participating? Any sixth grade student who does not participate in the Pali Mountain overnight will spend the day in another classroom with appropriate assignments. .

[signature] 10/16/18

Approved: Principal **Date**

[signature] 10/19/18

Approved: Superintendent or Designee **Date**

(https://www.paliinstitute.com/)

(../../directions/)
(../../contact/) 909 939 0888
(../../call/)

OUTDOOR EDUCATION

Request More Info

(../../contact#contact-form)

Students gain a greater understanding of the world around them in a natural and beautiful California mountain environment. Trees replace classroom walls as we get outside to learn by exploring trails, shooting arrows, building shelters and more. Students experience a deeper connection to the natural world through interactions with animals at our Nature Center, and create deeper human connections with each other as nature replaces technology.

ANIMAL SURVIVOR

1 Class Session (1.5 hours)

(../../vimeo/172992641/?frame=1)

Students learn the importance and dynamics of food chains/webs and how species depend on one another for survival. In a fast-paced activity, students are assigned an identity: carnivores, herbivores or omnivores. They must search for food while avoiding predators: their peers!

ART IN NATURE

1 Class Session (1.5 hours)

(../../vimeo/172992639/?frame=1)

Students delve into their creative side while exploring the art potential within our forest! They make their own paint, binding and designs solely out of natural materials. Students finish by creating artwork based on the work of British nature artist, Andy Goldsworthy.

EXTENDED DAY HIKE

Students gain the knowledge, skills and comfort level needed to hike in the wilderness by exploring the San Bernardino National Forest. They receive appropriate gear and supplies to prepare them for this 3-hour excursion. Students explore several different types of environments and are rewarded with sweeping views. Teachers can choose the focus of each hike.

ORIENTEERING

1 Class Session (1.5 hours)

Students find their sense of direction by embarking on an expedition. They learn how to navigate through the forest using compasses and coordinates. By the conclusion of this course, students understand the various skills involved in planning travel from point A to point B.

OUTDOOR SKILLS

2 Class Sessions (3 hours)

(../../vimeo/164601159/?frame=1)

Mixing nature's beauty with outdoor survival, students learn the Ten Essentials for any outdoor trip. While in the forest, they band together as a team to build emergency shelters, build fires and cook food in an outdoor setting.

FOREST ECOLOGY

2 Class Sessions (3 hours)

(../../vimeo/184906180/?frame=1)

Students hike through the forest to explore and learn about the ecosystems around them. They identify plants, study animals and learn about the impact of forest fires. Hands-on activities teach the history of the forest as ecosystems come alive before their eyes.

DAY HIKE

1 Class Session (1.5 hours)

In this introduction to modern hiking ethics, students learn eco-responsible philosophies such as "Leave No Trace." Each school selects their focus for a hike, such as visiting our Nature Center or Greenhouse, shortened versions of our Forest Ecology and Outdoor Skills classes, birding or one of our many other fun-filled options.

ARCHERY

1 Class Session (1.5 hours)

(../../vimeo/164609281/?frame=1)

Learn about the history and mechanics of archery, one of the oldest arts and means for survival. Students are introduced to the basic physics of a bow and arrow, as well as the proper handling of this ancient device. Armed with this knowledge, they participate in target shooting.

Request More Info (../../contact#contact-form)

(https://www.paliinstitute.com/)

(../../directions/)
(../../contact/) 909 939 0888
(../../call/)

SCIENCE CAMP

Request More Info

(../../contact#contact-form)

Pali Institute takes pride in providing hands-on field-based activities that bring classroom science to life. With a fun and educational science camp feel in a natural California mountain environment, we introduce students to numerous scientific disciplines through rocket launching, squid dissection, weather experiments and crime scene investigation! Students will leave with the enthusiasm and knowledge required to take their study of science to the next level.

GEOLOGY/ENGINEERING

2 Class Sessions (3 hours)

(../../vimeo/172992640/?frame=1)

Natural disasters can strike any time and it is up to our junior architects to be aware of and plan around these catastrophes. The students will learn how to predict natural disasters in our local environment and incorporate safeties into the infrastructure of their buildings. We will simulate earthquakes, landslides and floods in order to put our students' designs to the ultimate test.

UNDER PRESSURE

1 Class Session (1.5 hours)

(../../vimeo/172992650/?frame=1)

Students gain basic meteorological skills through hands-on activities, exploring various factors and forces that act upon our Earth to create changing weather patterns. They learn the specifics of seven different weather tools, including the use of barometers to record atmospheric pressure and anemometers to determine wind speed. Data collected from various experiments enable our young meteorologists to make a scientific forecast.

KRAKEN SQUID OPEN

1 Class Session (1.5 hours)

(../../vimeo/172992644/?frame=1)

Students learn about adaptation as they dissect a squid, locate appendages, examine organs and gain an understanding of the squid's physiological design. Pali instructors guide students through the process of dissection and teach them the importance of cephalopods to the ecosystem.

AERODYNAMICS

2 Class Sessions (3 hours)

(../../vimeo/165927171/?frame=1)

The sky is the limit, but not quite the finish line. In this course our young rocket scientists will do the traditional rocket launch. Their engineering skills will then be further tested by applying aerodynamic principles to the ground level. They will build lego cars to test the drag in wind tunnels and use the data collected to improve their designs.

FRESHWATER BIOLOGY

1 Class Session (1.5 hours)

(../../vimeo/184935136/?frame=1)

An old favorite returns with our recently renovated pond and improved equipment! Students get their fill of experiential science methods - testing the chemical composition of our pond water and assessing its health by ponding for various macro and micro invertebrates. Students then apply their observations and knowledge to the real world and gain an understanding of the importance of water conservation.

ELECTRO-MAGNETIC DYNAMO

1 Class Session (1.5 hours)

(../../vimeo/172992642/?frame=1)

What is this new magnetic wonder? Our junior engineers design and build a Dynamo generator from the ground up and discuss how to harness natural resources to power this machine.

CSI: PALI

1 Class Session (1.5 hours)

(../../vimeo/172992645/?frame=1)

Students explore the field of forensics and its importance in criminal justice by forming an investigative unit and working together to solve a mystery. They compare fingerprint patterns, learn about blood types and study handwriting samples. After collecting all of the evidence, they analyze it and employ deductive reasoning to rule out suspects.

LIVING FOSSILS

Seasonal Class

1 Class Session (1.5 hours)

(../../vimeo/164605707/?frame=1)

Reptiles have been around for quite a long time, some longer than others. Students will visit live animals in our nature center and compare them to fossil evidence in order to decide how similar or different these modern day animals are to their ancient counterparts.