

**City of Pleasanton**  
**Community Services Department**

# **Environmental Education Program Guide 2013-2014**



THE CITY OF



**PLEASANTON**

# Welcome!

The City of Pleasanton's Environmental Education Staff is pleased to offer a wide assortment of hands-on programming opportunities specializing in natural and physical science and cultural history for the 2013-2014 school year!

Programs are available in-class, at the Alviso Adobe Community Park, and at many other parks and creeks throughout Pleasanton. In-class presentations cover all aspects of the Earth's ecosystems. Programs at the Alviso Adobe Community Park focus on the cultural history of the area, including the Native American, Californio, and agricultural periods of the Amador Valley. Field visits introduce students to concepts such as habitats, biodiversity, and restoration.

All of our programs meet the State Curriculum Grade Level History-Social Science or Science Standards, and each program is specifically geared to the grade level of your individual group.

## New for this year!

Our Californio and agricultural programs are newly designed and feature exciting hands-on opportunities.

We now offer field trip packets to accompany our programs. Each packet includes a program overview, glossary, key concepts and objectives, pre-trip activities, and post-trip activities. After you register, you will receive an email with a PDF attachment of the packet for your particular program. You will also receive a paper copy of the packet with your confirmation paperwork.

We look forward to hearing from you soon!

*Eric Nicholas*  
City Naturalist

*Megan Kummer*  
Assistant Naturalist

*Soleil Alameda*  
Marketing Assistant



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# Environmental Education Staff



**Eric Nicholas** joined the City of Pleasanton as the City's Naturalist in 2006. Eric began his career as a river rafting guide and spent time on a variety of Native American Reservations. He has presented natural and cultural history programs for school children and the public while working on staff with the Hayward Area Recreation Department and the East Bay Regional Parks District. Eric has a passion for learning, especially in the areas of cultural history and nature.

**Megan Kummer** joined the Environmental Education staff as an Assistant Naturalist in October 2010. She graduated from San Jose State University in 2010 with a B.A. in History. While at SJSU, Megan developed a particular interest in Public History and interpretation, which led her to her current position. Megan comes from a family of teachers and enjoys sharing her knowledge of past cultures and customs with children. She is currently pursuing a Master's degree in Museum Studies.



**Soleil Alameda** Soleil Alameda joined the Environmental Education staff in December 2012 after interning for the City of Pleasanton's Community Services Department. She graduated from California State University, Fresno in 2012 with a B.S. in Recreation Administration. Soleil has always loved recreation and has developed a particular interest in marketing for the department. In her free time, she enjoys spending time with her family and friends and watching baseball.

# Contact Information

## Environmental Education Program

Alviso Adobe Community Park  
3465 Old Foothill Rd.  
Pleasanton, CA 94588  
Office Hours: Tuesday—Sunday  
10:00am to 4:00pm  
(925)931-3479

## Eric Nicholas, City Naturalist

(925)931-3483  
enicholas@cityofpleasantonca.gov

## Megan Kummer, Assistant Naturalist

(925)931-3482  
mkummer@cityofpleasantonca.gov

## Soleil Alameda, Marketing Assistant

(925)931-3485  
salameda@cityofpleasantonca.gov



## About this Guide

This guide presents Adobe Pioneer and Young Explorer Programs. Within each section, the guide is formatted by grade and color coded by subject. The Adobe Pioneer Programs are held at the Alviso Adobe Community Park. These programs have an emphasis on cultural history and agriculture throughout the Valley. As always, we will be looking at the connections between various cultures and the natural world. The Young Explorer Programs consist of either classroom presentations (PUSD only), visits to the Nature House, or fieldtrips to the parks, creeks and trails in and around Pleasanton. Subject matter focuses on natural and physical science, except for Native Ways fieldtrips, which focus on the Ohlone people’s relationships with various habitats.

## Registration

To register for a program, contact Megan Kummer to coordinate program days/times. We can hold dates for you while you secure your payment. Complete the Registration Form, on page 15 of this Guide, and submit with payment to the Community Services Department Office (Mailing Address: P.O. Box 520). A confirmation letter will be sent with Field Trip Release/Waiver Forms, which must be completed for each student and turned in on the date of the program. Payment must be received before your program day.

### Program Subject Key

*Program titles will appear in the color of the subject into which they fit:*

<b>Cultural History</b>	<b>Natural Science</b>
<b>Physical Science</b>	<b>Biology</b>
<b>Bio-Niches</b>	<b>Pleasanton Park Fieldtrips</b>



## Third Grade

### Native Ways

**Length of Program:** 2 hours

**Season:** School Year

This hands-on program teaches students the material culture of the Ohlone. Students will gain an understanding of Ohlone life by actively re-creating the crafts, tools and skills used in the past. Students will also learn about native flora and fauna that the Ohlone utilized within their culture.

**Standards addressed: History-Social Science: 3.2.**



## Fourth Grade

### Adobe Chores

**Length of Program:** 2 hours

**Season:** School Year

Students will use traditional methods to understand the daily chores used to operate the rancho. Activities can include tending the gardens, weaving or making adobe bricks. Students will learn about the rancho system and how it was a part of Californio society.

**Standards addressed: History-Social Science: 4.2.**

**\*During the spring only, Adobe Chores can focus on adobe brick making. Due to time constraints, brick making will be the main component of the program. If you would like your spring Adobe Chores program to focus on brick making, please specify that preference.**



### Time Travelers

**Length of Program:** 2 hours

**Season:** School Year

Students will travel along the timeline of the Alviso Adobe Community Park's history to see how people once lived. Through activities that focus on clothing, tools, and food, students will explore the life ways of the Ohlone, Californios, early American settlers agriculturalists, and those who lived and worked in the Amador Valley. This program includes a brief guided tour of the entire park with hands-on activities.

**Standards addressed: History-Social Science: 4.2, 4.4.**



## Young Explorer Programs

Young Explorers Programs consist of either **classroom** visits or **fieldtrips** to the parks, creeks and trails in and around Pleasanton. Subject matter focuses on natural and physical science, except for Native Ways fieldtrips, which focus on the Ohlone people's relationship with various habitats. These programs are available Tuesday-Friday. Classroom visits are available to **PUSD classes only**.

### Kindergarten, First and Second Grades

#### All Kinds of Animals

**Length of Program:** 1 hour, in-class

**Season:** School Year



Students will learn about various types of animals as they explore the differences between the many types of life that share the Earth. Hands-on activities will be the key as they learn about animal dentition, sensory awareness and methods employed by species in a diverse array of habitats. Subject matter can be geared to teacher's specifications (for example, animal adaptations, arthropods or reptiles).

**Standards addressed: Science: K.2, K.4; 1.2, 1.4; 2.2, 2.4.**

#### A Pond in the Classroom

**Length of Program:** 1 hour, in-class

**Season:** School Year

In this program, the pond comes to the students! Discover what makes a pond such a special place. Students will meet various creatures and learn how the pond is not only beneficial for the organisms that live there, but for many other habitat communities as well. Students will look at predation, adaptation and the consequences of pollution in these unique locations as they view pond life up close.

**Standards addressed: Science: K.2, K.4; 1.2, 1.4; 2.2, 2.4.**



## Third Grade

### Native Ways

**Length of Program:** 1 or 2 hours

**Season:** School Year

A Native Ways in-class visit allows students to explore the material culture and life ways of the Ohlone without leaving their classrooms! This program can be used in conjunction with a visit to any field trip site (Arroyo del Valle, Augustin Bernal, Kottinger Park, Bernal Community Park) to describe the life ways of the Ohlone.

**Standards addressed: History-Social Science: 3.2.**

## Second through Fifth Grades

### Expanding Our Universe

**Length of Program:** 1 hour, in-class

**Season:** School Year

This program is designed to introduce students to a wide variety of subject matter, which can include topics such as astronomy, geology/archaeology, or weather patterns. Teachers may select the topics they wish to be covered and are not limited to the above mentioned options. Please contact the Naturalist regarding information about specific program possibilities.

**Standards addressed: Science: 2.3; 3.4; 4.4, 4.5; 5.4.**

## Pleasanton Park Field Trips

Pleasanton Park Field Trips provide nature experiences for students in their local parks. Program locations include: Arroyo del Valle, Augustin Bernal Park, Bernal Creek and Ponds, and Kottinger Creek. Program lengths vary from 1-2 hours.

## First through Second Grades

### Augustin Bernal Park

**Length of Program:** 2 hours

**Season:** School Year

Students will travel through the forest and learn about the wonderful diversity of plants and animals that live in this park. Using all of their senses, students will learn about tracking and plant uses from long ago to understand the natural world around them. Observe seasonal changes in the forest that tell the story under the canopy as it continues today, not only for its inhabitants, but also for our future.

**Standards addressed: Science: 1.2, 1.4; 2.2, 2.4.**



# Pleasanton Park Field Trips

## First through Third Grades

### Arroyo Adventures

**Length of Program:** 2 hours

**Season:** Fall and Spring only

While exploring the Arroyo del Valle, students will learn about the bio-diversity of plants and animals in riparian habitats. Learn how to track animals and find out what makes a healthy environment. Students will gain an understanding of the difference between native and invasive species, and how we impact creek systems. Students will also learn what they can do to protect the natural world around us. Note: This field trip is also offered as an in-depth field study of Ohlone cultural ways.



**Standards addressed: Science: 1.2, 1.4; 2.2, 2.4; 3.3, 3.5.**



### Bernal Creek and Pond Explorations

**Length of Program:** 2 hours

**Season:** Fall and Spring only

Bring the class out for a trek across this exciting series of habitats. They will learn about how many animal and plant communities need each other's support for survival. See tadpoles, frogs and toads and discover what their part is in this great food-web that we all share. Searching for tracks, students will discover how important water is to all life...great and small. Note: This field trip is also offered as an in-depth field study of Ohlone cultural ways.



**Standards addressed: Science: 1.4; 2.2, 2.4; 3.3, 3.5.**

## Pleasanton Park Field Trips

### Kottinger Creek Exploration

**Length of Program:** 1 or 2 hours

**Season:** School Year

Explore one of the great success stories which we all can share...a restored creek! Students will hear about what happened to this local creek due to human impact; both positive and negative. They will search for signs of wildlife and learn why native plants are so important to the health of a habitat as they walk up the creek and back again. After the exploration is over, students will have an opportunity to visit with animals that are native to this newly re-created site! Note: This field trip is also offered as an in-depth field study of Ohlone cultural ways.



**Standards addressed: Science: 1.2, 1.4; 2.2, 2.4; 3.3, 3.5.**



**Third Grade**

### Native Ways—Augustin Bernal

**Length of Program:** 2 hours

**Season:** School Year

A hike through Augustin Bernal Park provides students with a deeper understanding of the life ways of the Ohlone. Participants will be introduced to the plants utilized in the Ohlone culture, and will appreciate the connection the Ohlone had with the world, its plants and animals.



**Standards Addressed: History-Social Science 3.2.**

# City of Pleasanton Parks

## Alviso Adobe Community Park

Pleasanton's Alviso Adobe Community Park is a unique historical resource that tells the story of California from its earliest human occupation, dating back to 3240 B.C. From its earliest recorded human habitation as a settlement of the native Ohlone people, to the days of the Spanish ranchos, to the turn of the century when it was home to one of California's first certified dairies, original portions of each historical period have been left intact or re-created.

In the early 1990's, the City of Pleasanton acquired the seven-acre park site from the De Silva Company through a park dedication requirement for the adjacent Laguna Oaks housing development. The project involved the restoration of the historic Alviso Adobe, one of the first buildings in the Amador Valley, State Historical Landmark No. 510. The building restoration goal was to match the appearance of the building during its period of most active use, at about 1920. The plan also included the re-creation of the Meadowlark Dairy, which occupied the site from 1919 to 1966, and the bunkhouse where the dairy workers lived.



Then.....



.....Now!

## Arroyo del Valle

**Corner of Main Street and Vervais Avenue—  
Main Street Green, 890 Main Street, Pleasanton**

Main Street Green Park is one of the parks in the downtown area and abuts the Arroyo del Valle. This waterway branches from Lake del Valle watershed in the Livermore hills. This creek used to be a significant tributary that supported a healthy steelhead population. The steelhead may be gone, but a wonderful wetland habitat has taken its place. A pleasant place for one to walk the trail, and to explore the interesting wildlife that still populates the area. Along this trail, visitors experience the unique wildlife that surrounds the area and also notice the historic buildings that populate the creek side.



## Augustin Bernal Park

**8200 Golden Eagle Way, Pleasanton**

Augustin Bernal Park, the City of Pleasanton's 237-acre park, is located on the Pleasanton Ridge. The City park, and the adjacent park land of East Bay Regional Park District, provides an opportunity to appreciate magnificent views of the valley, enjoy a diverse array of native plant life and, with luck, see some of the birds and animals that call the Ridge home.

The park is named after Augustin Bernal, one of two brothers to receive a grant of land called Rancho el Valle de San Jose. Brothers Juan Pablo and Augustin Bernal were both sons of a Spanish soldier from the San Francisco Presidio. They were largely responsible for the earliest development of this town of ours called Pleasanton.

# City of Pleasanton Parks

## Bernal Community Park

7001 Pleasanton Avenue, Pleasanton

Bernal Avenue is named after Juan Pablo and Augustin Bernal, sons of a Spanish soldier from the San Francisco Presidio. The two brothers received a grant of land called Rancho el Valle de San Jose in the 1839 and were largely responsible for the earliest development of Pleasanton.

Juan Pablo Bernal was born in 1810 and died in 1878. Bernal was known as a quiet and reserved man. He served in the Mexican Army under General Castro. In the Mexican Army he fought during the war between Mexico and the United States to preserve the civil rights of Spanish Californians. He was active in requesting that California be annexed to the United States.



When Augustin's daughter married Joshua Neal, and Juan Pablo's daughter married John Kottinger, each new son-in-law received a large dowry of land from the original rancho property where they soon developed the town site. In 1849, Augustin Bernal, moved to Pleasanton to protect his holdings against intruding Americans. It was not until 1852 that Juan Pablo Bernal followed his daughter and son-in-law, John Kottinger to Pleasanton from his home in San Jose.

## Kottinger Creek

1000 Kottinger Road, Pleasanton  
(located within Kottinger Community Park)



John W. Kottinger, born in 1819 in Austria immigrated to the United States in 1846. From San Francisco he opened an English School at Pueblo de San Jose de Guadalupe. There in 1850 he met and married Maria Refugia Agosta Bernal, daughter of Juan Pablo Bernal. Kottinger received a dowry of 4,500 acres from massive Rancho el Valle de San Jose owned by the Bernal brothers. He at once began building a house which was completed in 1852. After his wife and family were settled in the new house he began construction of an adobe barn. In early California, agriculture was almost unknown except for stock raising, so this is the business that John Kottinger ventured into on his ranch at the end of Spring Street.

In 1853, Kottinger became the Justice of the Peace for the Murray Township which coincided with the formation of Alameda County. Kottinger held court in his home and the prisoners were jailed in the corner of his adobe barn right alongside the animals. Although Kottinger retired from the judge's bench in 1870, he continued ranching until his death in 1892. Kottinger's legacy was that of the co-founder of the town we call Pleasanton. He wanted to name the developing town after the Civil War Major General Pleasonton, whom Kottinger admired. An error was made by the postal clerk in Washington D.C. who changed the spelling to Pleasanton.

He is also credited with saving the Bernal Land Grant – Rancho el Valle de San Jose. In 1852 the federal government passed the pre-emption law, making acreage within the boundaries of Spanish Land Grants available to applicants. The Bernal Rancho went from 64,000 acres to 48,000 acres. The Bernal Family had to protect and prevent themselves from losing any more acreage to these applicants. They had to decide what to do and the answer came from one of their son-in-laws, John W. Kottinger. Kottinger, with a legal background advised that half of the remaining land holdings be divided among the heirs to the Bernal lineage. By doing this, Kottinger assured himself control over the area and the ability to develop it into a formal city. Kottinger then sold lots to skilled tradesmen like Dr. Goucher, a blacksmith Jake Teeter, a carpenter William Whitner and the railroad right away to build up the downtown.

# Program Fees

## Pleasanton Unified School District Schools

*A class is considered to be 30 students or less. If a class is larger than 30 students each additional student will be charged at a per student rate as listed below. 1 adult chaperone is required for every 8 children. Payment is due before field trip, but is not needed to secure a date.*

### Visit to Alviso Adobe Community Park

\$50.00 per class

\$2.00 for each additional student over 30 students

### Visit to Other Pleasanton Parks, or Classroom

\$60.00 per class

\$2.00 for each additional student over 30 students

## Out of District Schools

*A class is considered to be 30 students or less. If a class is larger than 30 students each additional student will be charged at a per student rate as listed below. 1 adult chaperone is required for every 8 children. Payment is due before field trip, but is not needed to secure a date.*

### Visit to Alviso Adobe Community Park

\$55.00 per class

\$2.00 for each additional student over 30 students

### Visit to Other Pleasanton Parks

\$65.00 per class

\$2.00 for each additional student over 30 students

## Groups (Home Schooling, Scouts, Church, Non-profits)

*Minimum Group Size is 8 participants, maximum is 30 participants. Groups will be charged for a minimum of 8 participants and each additional participant will be charged at a per person rate as listed below. 1 adult chaperone per every 8 children.*

## Pleasanton Groups

### Visit to Alviso Adobe Community Park

\$25.00 per group of 8 participants

\$2.00 per each additional participant

### Visit to Other Pleasanton Parks

\$30.00 per group of 8 participants

\$2.00 per each additional participant

## Non-Pleasanton Groups

### Visit to Alviso Adobe Community Park

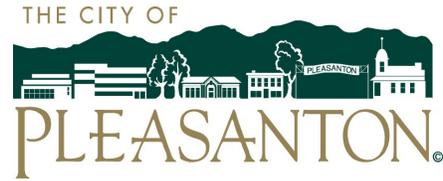
\$28.00 per group of 8 participants

\$2.00 per each additional participant

### Visit to Other Pleasanton Parks

\$33.00 per group of 8 participants

\$2.00 per each additional participant



## Registration Form

Main Contact/Teacher: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Name of School Group: \_\_\_\_\_

School/Contact Address: \_\_\_\_\_

Main Contact Email Address: \_\_\_\_\_

Grade Level: \_\_\_\_\_ Number of Students \_\_\_\_\_ # of Chaperones: \_\_\_\_\_

Name of Program Requested: \_\_\_\_\_

Select:  In-Class Presentation (PUSD Only)  Off-Site Visit: \_\_\_\_\_

Name of Location/Park

Classroom: \_\_\_\_\_ (If possible, please include the classroom that in-class presentations will take place in)

Program Dates Requested (Please refer to calendar of dates on page 16-18.):

\_\_\_\_\_

Program Time Requested:

\_\_\_\_\_

Length of Program Requested:  1-Hour  2-Hour

Please refer to the City of Pleasanton Environmental Education Program Guide for program fees. A separate confirmation will be mailed once full payment has been received.

In case of cancellation, a full refund will be given when notice is received by the Environmental Education office at least thirty (30) days before the program day. Occasionally, programs need to be rescheduled due to excessive weather conditions. In these cases, the Environmental Education staff will contact you beforehand.

A check in the amount of \$ \_\_\_\_\_ is enclosed. Make check payable to: City of Pleasanton

VISA  MASTERCARD Card Number \_\_\_\_\_ exp \_\_\_\_/\_\_\_\_

Security # \_\_\_\_\_ (3 digit # on back of credit card)

Total Amount \$ \_\_\_\_\_ Card Holder Signature \_\_\_\_\_

### Return Registration Request Form along with Payment to:

City of Pleasanton  
ATTN: Community Services Department  
Environmental Education Program  
P.O. Box 520  
Pleasanton, CA 94566

PUSD Registration begins Tuesday, 8/20.

Program time slots are listed in the calendar below:

September 2013

Tuesday	Wednesday	Thursday	Friday
3	4	5	6
10	11	12	13
17 9:30-11:30 12:30-2:30	18 9:30-11:30	19	20 9:30-11:30 12:30-2:30
24 9:30-11:30 12:30-2:30	25	26	27

October 2013

Non-PUSD  
registration  
begins  
Tuesday, 10/1.

Tuesday	Wednesday	Thursday	Friday
1 9:30-11:30 12:30-2:30	2 9:30-11:30	3 12:30-2:30	4 9:30-11:30 12:30-2:30
8 9:30-11:30 12:30-2:30	9	10 12:30-2:30	11 9:30-11:30 12:30-2:30
15	16 9:30-11:30	17	18 9:30-11:30 12:30-2:30
22 9:30-11:30 12:30-2:30	23	24	25
29 9:30-11:30 12:30-2:30	30	31	

November 2013

Tuesday	Wednesday	Thursday	Friday
			1
5 9:30-11:30 12:30-2:30	6	7 12:30-2:30	8 9:30-11:30 12:30-2:30
12 9:30-11:30 12:30-2:30	13	14 12:30-2:30	15 9:30-11:30 12:30-2:30
19	20 9:30-11:30	21 12:30-2:30	22

December 2013

Tuesday	Wednesday	Thursday	Friday
3 9:30-11:30 12:30-2:30	4 9:30-11:30	5 12:30-2:30	6 9:30-11:30 12:30-2:30
10 9:30-11:30 12:30-2:30	11	12 12:30-2:30	13
17 9:30-11:30 12:30-2:30	18 9:30-11:30	19	20

January 2014

Tuesday	Wednesday	Thursday	Friday
7 9:30-11:30 12:30-2:30	8	9 12:30-2:30	10 9:30-11:30 12:30-2:30
14	15 9:30-11:30	16 12:30-2:30	17 9:30-11:30 12:30-2:30
21 9:30-11:30 12:30-2:30	22	23	24 9:30-11:30 12:30-2:30
28 9:30-11:30 12:30-2:30	29	30	31

February 2014

Tuesday	Wednesday	Thursday	Friday
4	5	6	7 9:30-11:30 12:30-2:30
11 9:30-11:30 12:30-2:30	12 9:30-11:30	13 12:30-2:30	14 9:30-11:30 12:30-2:30
18 9:30-11:30 12:30-2:30	19	20 12:30-2:30	21 9:30-11:30 12:30-2:30
25 9:30-11:30 12:30-2:30	26 9:30-11:30	27	28

March 2014

Tuesday	Wednesday	Thursday	Friday
4	5	6	7 9:30-11:30 12:30-2:30
11 9:30-11:30 12:30-2:30	12 9:30-11:30	13 12:30-2:30	14 9:30-11:30 12:30-2:30
18 9:30-11:00 12:30-2:30	19	20	21
25 9:30-11:30 12:30-2:30	26 9:30-11:30	27 12:30-2:30	28

April 2014

Tuesday	Wednesday	Thursday	Friday
1 9:30-11:30 12:30-2:30	2	3 12:30-2:30	4 9:30-11:30 12:30-2:30
8 9:30-11:30 12:30-2:30	9 9:30-11:30	10 12:30-2:30	11 9:30-11:30 12:30-2:30
15 9:30-11:30 12:30-2:30	16	17	18
29	30		

May 2014

Tuesday	Wednesday	Thursday	Friday
	9:30-11:30	1 12:30-2:30	2 9:30-11:00 12:30-2:30
6 9:30-11:30 12:30-2:30	7	8 12:30-2:30	9 9:30-11:30 12:30-2:30
13	14 9:30-11:30	15	16 9:30-11:30 12:30-2:30
20 9:30-11:30 12:30-2:30	21	22	23
27 9:30-11:30 12:30-2:30	28	29 12:30-2:30	30

June 2014

Tuesday	Wednesday	Thursday	Friday
3 9:30-11:30 12:30-2:30	3 9:30-11:30	5 12:30-2:30	6 9:30-11:30 12:30-2:30