

EDUCATIONAL OUTREACH PROGRAM

ELEMENTARY SCHOOL LEVEL
OVERVIEW BROCHURE



PROGRAM UNDERSTANDING

The nonprofit **San Bernardino Railroad Historical Society (SBRHS)** needs funding assistance to continue our successful Educational Outreach program for fifth grade students.

This interactive field trip program, which addresses state standards, takes place on board an operational steam locomotive and vintage passenger cars. The locomotive is on the National Registry of Historic Places and is the highlight of this traveling museum. The program includes a community outreach component where the general public may also view the train.

Our premiere trip to San Pedro in October 2004 brought rave reviews from participating schools and the local community. Funding is now needed to continue and expand the program to serve the diverse population of Southern California.

The approximate minimum budget per trip is \$27,400. With an estimated 900 students per trip participating in this program, this equates to only \$31 per student. A breakdown of the detailed cost estimate is available upon request.

We hope the enclosed program overview will motivate you to send a donation that will help add to the monetary and volunteer efforts that have already been put forth by the SBRHS and others. Please contact either myself or Wolfgang Fengler if you have any questions

Sincerely,

Don Black
Chairman
SBRHS Educational Outreach Program
Tel: 909.336.2603
email: dblack909@aol.com

Wolfgang Fengler
Vice-Chairman
SBRHS Educational Outreach Program
Tel: 310.920.1783
email: wolf.fengler@ps.ge.com

Helping Kids Get on Track for a Bright Tomorrow!



The SBRHS was founded in 1981 as a nonprofit 501(c)(3), public benefit corporation to preserve and educate the public about our nation's railroad heritage.

Tax ID #33-0213436







www.sbrhs.org

PROGRAM FOCUS





The *focus* of the SBRHS Educational Outreach Program is to educate students about the importance of:

- > *Railroad Safety*
- > *Modern Railroads* in today's economy
- > *Railroad History:*
 -  How the railroads helped build America
 -  People and the golden age of railroads
- > *Locomotion: Science & Steam Trains*






THE DILEMMA

- > Helping young people appreciate:
 -  History
 -  Science
 -  Math
- > In the face of many distractions such as:
 -  Social & Economic Pressure
 -  Video Games
 -  Television





THE CHALLENGES

- > Make learning more appealing than the distractions
- > Raising life-long learners:
 -  Teach subjects in a compelling way
 -  Must inspire this early on
 -  Adult role models can help
 -  Field trips are another great tool



THE SBRHS APPROACH

- > Kids love steam trains!
 -  Bring train near schools for field trips
 -  Relate school subjects to trains
 -  Target 5th graders:
 - *Receptive*
 - *Good curriculum match*
 -  Seek private support for trips
 -  Trained volunteers serve as docents

TEACHING MODULES




- > Presented while on board the train!
- > Railroad Safety
 -  Taught using proven Operation Lifesaver material
- > Modern Railroads
 -  The major railroads that serve L.A.
 -  How a product moves from factory to consumer
 -  Application of Math to Trains

TEACHING MODULES

- > Railroad History
 -  The role of railroads in the growth of America and the Los Angeles area
 -  People & the Golden Age of Rail Travel
 - *Students learn about living on board a passenger train*
 - *Railroads & Minorities*

TEACHING MODULES

> Locomotion





-  Will be able to view the locomotive cab
-  Learn what an engineer and fireman did to operate a steam locomotive
-  The chemistry of steam locomotives:
 - *The elements in boiler steel*
 - *How acids & bases interact with the boiler*
 - *Each student can participate in a lab experiment to study pH*

FROM DREAM TO REALITY

> Curriculum

-  Developed with input from educators
-  Addresses state standards

> Operations

-  Coordinate with railroads, schools, etc.
-  Obtain funds for insurance, fuel, etc.
-  Arrange for vintage passenger cars
-  Identify suitable tour routes



PROGRAM FEEDBACK

What educators have to say about the **Educational Outreach Program:**

Mr. Fengler,

As I sit at my desk and review the "thank you" notes students are writing to me for setting up the SBRHS field trip, I can only begin to explain the tremendous impact your group had on their lives. A few students have even indicated that they would like to become future train operators. The teachers have also indicated that it was one of the most organized events they have been to as educators.

On behalf of the Barton Hill Community I would like to extend our sincere gratitude!

*Mr. Lou Mardesich
Principal, Barton Hill Elementary School*

Dear Mr. Black,















Our fifth grade students and teachers enjoyed and appreciated the opportunity to participate in the field trip on 10/28/04. It was an incredible learning experience.

We appreciate your generosity and hope to maintain an ongoing relationship with your organization. We look forward to making this an annual event for our fifth graders.

*Sincerely,
Barbara Marriott
Assistant Principal
White Point Elementary*

SPONSORS

Past and Present Sponsors of the Educational Outreach Program include:

-  *Frank Kenny Real Estate Team*
-  *Operation Lifesaver*
-  *Amtrak*
-  *Pacific Harbor Line*
-  *Metrolink*
-  *Polly's Pies*
-  *Rotary Club of San Pedro*
-  *Port of Los Angeles*
-  *The Jankovich Company*
-  *Coast Packing Company*
-  *IBI Group*
-  *Mr. Gene Wood*
-  *Mr. & Mrs. Joyce Brown*
-  *Mr. Wolfgang Fengler*

HOW YOU CAN HELP

- > Provide teaching supplies/expertise
- > Become a trained SBRHS docent
- > Donate funds for:

 Insurance

 Fuel

 Bus Transportation



- > Contact the SBRHS for more information

www.sbrhs.org

SPONSOR APPRECIATION GIFTS

Individual Sponsor Gifts

Donation Amount	Appreciation
\$500 - \$999 <i>Brakeman</i>	<ul style="list-style-type: none"> ▪ Name on society webpage and newsletters. ▪ A one year membership in SBRHS ▪ Up to two embroidered 3751 sponsor's hats with your name and a guests
\$1,000 - \$2,499 <i>Conductor</i>	<ul style="list-style-type: none"> ▪ All previous items plus... ▪ Name placed on side of SBRHS baggage car during all educational trips for one year
\$2,500 - \$4,999 <i>Fireman</i>	<ul style="list-style-type: none"> ▪ All previous items plus... ▪ Up to two SBRHS sponsor's t-shirts. ▪ Three 3751 videos or DVDs
\$5,000 - \$7,499 <i>Engineer</i>	<ul style="list-style-type: none"> ▪ All previous items plus... ▪ An autographed 11 x 14 Steve Crise print of 3751 ▪ A free ride on the train for up to 4 people during one educational event within the year of donation**
\$7,500- \$9,999 <i>Road Foreman</i>	<ul style="list-style-type: none"> ▪ All previous items plus... ▪ Framed original 17 x 23 photograph of 3751 signed by the crew. ▪ A free ride on the train for up to 6 people during one educational event within the year of donation**
≥ \$10,000 <i>Trainmaster</i>	<ul style="list-style-type: none"> ▪ All previous items plus... ▪ Free rides for up to 10 people on any educational events that occur within the year of donation** ▪ A one-way ride in the locomotives' cab during one educational event for one person within the year of donation** ▪ Day trip for two to San Diego on private car <i>Pony Express</i>

*The SBRHS reserves the right to decline donations from any individual, organization or company

**Excursion and Cab rides are subject to availability based on number of donors, number of trips and host railroad regulations

www.sbrhs.org



San Bernardino Railroad Historical Society, Inc.
P.O. Box 2878, San Bernardino, CA 92406-2878

www.sbrhs.org

SPONSOR APPRECIATION GIFTS

Corporate Sponsor Gifts

Donation Amount	Appreciation
\$500 - \$999 <i>Brakeman</i>	<ul style="list-style-type: none">Advertisement on society webpage and newslettersUp to two embroidered 3751 sponsor's hats with your corporate name
\$1,000 - \$2,499 <i>Conductor</i>	<ul style="list-style-type: none">Advertisement on society webpage and newsletters.Up to five embroidered 3751 sponsor's hats with your corporate name1'x1' Advertisement placed on side of SBRHS baggage car during all educational trips for one year
\$2,500 - \$4,999 <i>Fireman</i>	<ul style="list-style-type: none">Advertisement on society webpage and newsletters.Up to ten embroidered 3751 sponsor's hats with your corporate nameUp to 5 SBRHS sponsor's t-shirts with your corporate logo2'x2' Advertisement placed on side of SBRHS baggage car during all educational trips for one year
\$5,000 - \$7,499 <i>Engineer</i>	<ul style="list-style-type: none">Advertisement on society webpage and newsletters.Up to ten embroidered 3751 sponsor's hats with your corporate nameUp to 10 SBRHS sponsor's t-shirts with your corporate logo2'x3' Advertisement placed on side of SBRHS baggage car during all educational trips for one yearOne free ride on the train for up to 4 people during one educational event within the year of donation**
\$7,500- \$9,999 <i>Road Foreman</i>	<ul style="list-style-type: none">Advertisement on society webpage and newslettersUp to fifteen embroidered 3751 sponsor's hats with your corporate nameUp to 10 SBRHS sponsor's t-shirts with your corporate logoFramed original 17 x 23 photograph of 3751 signed by the crew2'x4' Advertisement placed on side of SBRHS baggage car during all educational trips for one yearOne free ride on the train for up to 6 people during one educational event within the year of donation**
≥ \$10,000 <i>Trainmaster</i>	<ul style="list-style-type: none">Advertisement on society webpage and newslettersUp to twenty embroidered 3751 sponsor's hats with your corporate nameUp to 10 SBRHS t-shirts with your corporate logoFramed original 17 x 23 photograph of 3751 signed by the crew2.5'x6' Advertisement placed on side of SBRHS baggage car during all educational trips for one yearA full year of free rides for up to 10 people at a time on the train during all educational events**One one-way ride in the locomotives' cab for up to 2 people (one at a time) during an educational event within the year of donation**

*The SBRHS reserves the right to decline donations from any individual, organization or company

**Excursion and Cab rides are subject to availability based on number of donors, number of trips and host railroad regulations



Coming Soon to a School Near You!