



2012-2013 Field Trip Program

4th Grade Private School Classes in Alameda County

Field Trip Content

Field trips to the irecycle@school Education Center located at the Waste Management Inc., Davis Street Transfer Station in San Leandro or Fremont Recycling & Transfer Station in Fremont (for Fremont, New Haven, & Newark area schools), offer 4th grade students an opportunity to learn first-hand what happens to their recyclables, garbage and green waste at a working material recovery facility and transfer station. Field trips to the irecycle@school Education Center provide real-life application of concepts taught in the classroom in the areas of physical science, life science and investigation/experimentation.

During the Field Trip Students Will:

1. Trace the path of plant debris, recyclables and garbage from curbside to remanufacture or disposal.
2. Learn about the 4Rs (Reduce, Reuse, Recycle, Rot/Compost) and explore how their individual actions can help reduce waste.
3. Participate in a hands-on activity:
4th Grade: Students will learn the life cycle of an aluminum can through a math puzzle activity working in groups and utilizing presentation skills.
4. Visit the Education Center, Garbage Pit and Materials Recovery Facility.
5. Meet professionals modeling waste reduction practices.

Field trip activities and classroom lessons are aligned to the CA State Content Standards. Pre and post field trip lessons, including the StopWaste.Org produced *Doing the 4Rs* video, are provided to extend onsite learning back into the classroom.

Registration

Registration priority for the 2012-2013 school year will be given to **public** schools in Alameda County. **Private school** 4th grade teachers can complete and submit a Private School Registration Form. Receipt of a completed form will put Teachers and their classes on the Private School Wait List. Available slots not taken by Public School 4th grades will be made available through email to Teachers in order they were placed on the Private School wait list. Submit completed forms via fax at 510-563-4205 or as an attached Word document to edcenter@stopwaste.org.

After School programs for youth in grades 3-12 in Alameda County (ex. home school, after school groups, scouts, etc.) are held Mondays, Tuesdays, Thursdays, & Fridays from 3:30-4:30 pm at both Ed Centers. Transportation assistance is not provided. Email us for a Registration Form.

Program Availability

Morning field trips (9:30-11:30 am) are offered Monday-Friday and **afternoon** field trips (12:30-2:30 pm) are offered Monday, Tuesday, Thursday and Friday. Fremont Ed Center tours are Monday, Tuesdays, Thursday, & Friday, October through May. Times are not adjustable. Plan on eating **lunch** at school, and eating **snack** before or after your field trip. Private School 4th grades are unable to reserve or hold program dates or slots more than 1 month out.

Field Trip Schedule October 1, 2012 – May 31, 2013

Time	Monday	Tuesday	Wednesday Davis St only (San Leandro)	Thursday	Friday
Morning	9:30 – 11:30	9:30 – 11:30	9:30 – 11:30	9:30 – 11:30	9:30 – 11:30
Afternoon	12:30 – 2:30	12:30 – 2:30		12:30 – 2:30	12:30 – 2:30

To ensure the safety and comfort of all visitors, a **maximum of 36** students can be accommodated per field trip. Minimum is 15, however, please try to combine two small classes (ex. 4th grade of 20 and special day class of 15). Times are fixed due to staffing and bus coordination as the Ed Center provides about 350 school tours during the school year. Please plan on having your students eat their lunches at school. Snack time should be at school or on the bus if the Bus Driver allows it and you manage student waste.

Transportation

Private School 4th grades are responsible for their own transportation to the Ed Center. School bus parking is available. We encourage carpooling due to limited parking, and gear and space. Plan on a coordinated arrival time for drivers 5 minutes prior to start time. Directions will be sent with Confirmation Letter. San Leandro site is off the 880 freeway by the Oakland Airport. Fremont site is off the 880 freeway and Automall Parkway.

Approximate Bus Schedule for School Field Trips

	Morning Field Trip		Afternoon Field Trip
Arrive at Ed Center	9:25 am	Arrive at Ed Center	12:25 pm
Field Trip	9:30 – 11:30 am	Field Trip	12:30 pm - 2:30 pm
Leave for School	11:35 -11:40 am	Leave for School	2:35-2:40 pm

Payment and Cancellation Policy

There is **no charge** for field trips to the irecycle@school Education Center and Davis Street Transfer Station. The value of this free service is \$850. StopWaste.Org provides this service to schools as part of its mission to reduce waste going to landfills by 75% by 2010. All **cancellations must be made at least 72 hours** before the scheduled field trip otherwise bus cancellation fees may apply. Programs are held rain or shine.

Submit your completed Private School Registration Form
via email edcenter@stopwaste.org
Or FAX (510) 563-4205

This program is staffed and brought to you by

and hosted by

and



irecycle@school Education Center
2615 Davis Street • San Leandro, CA 94577
Phone (510) 563-4282 • Fax (510) 563-4205 • edcenter@stopwaste.org



Field Trip, Lessons and Activities

Connections to the State Content Standards - 4th Grade

The two-hour irecycle@school Education Center field trip consists of a presentation, hands-on activity and tour of the Davis Street Transfer Station in San Leandro. Students learn first-hand where their garbage goes and how to create less garbage through reducing, reusing and recycling. The field trip and pre- and post-trip classroom lessons are correlated to the State Content Standards. Pre- and post-field trip classroom lessons are provided.

The field trip and supporting activities/lessons are connected to the following State Content Standards for 4th grade:

Science

- Life Science:** **2c** - Students know decomposers, including many fungi, insects, and microorganisms, recycle matter from dead plants and animals.
- Investigation & Experimentation:** **6b** - Measure and estimate the weight, length, or volume of objects.
6c - Formulate and justify predictions based on cause-and-effect relationships.
6e - Students will construct and interpret graphs from measurements.
6f - Follow a set of written instructions for a scientific investigation.

Mathematics

- Number Sense:** **3.3** - Solve problems involving multiplication of multi-digit numbers by two-digit number.
Math Reasoning: **2.3** - Students will use a variety of methods to explain mathematical reasoning.

Language Arts

- Writing Strategies:** **1.1** - Select a focus, an organizational structure, and a point of view based upon purpose, audience, length, and format requirements.
1.4 - Write fluidly and legibly in cursive or joined italic.
- Reading:** **1.1** - Read narrative and expository text aloud with grade-appropriate fluency and accuracy and with appropriate pacing, intonation, and expression.
1.2 - Apply knowledge of word origins, derivations, synonyms, antonyms, and idioms to determine the meaning of words and phrases.
- Listening & Speaking:** **1.1** - Ask thoughtful questions and respond to relevant questions with appropriate elaboration in oral settings.
1.2 - Summarize major ideas and supporting evidence presented in spoken messages and formal presentations.
1.8 - Use details, examples, anecdotes, or experiences to explain or clarify information.
2.2 - Make informational presentations.

History/Social Science

- 4.1** Students demonstrate an understanding of the physical and human geographic features that define places and regions in California.
5. Use maps, charts, and pictures to describe how communities in California vary in land use, vegetation, wildlife, climate, population density, architecture, services, and transportation.

Visual and Performing Arts

- Role and Development of the Visual Arts** **3.1** - Describe how art plays a role in reflecting life (e.g., in photography, quilts, architecture).
Visual Literacy **5.3** - Construct diagrams, maps, graphs, timelines, and illustrations to communicate ideas or tell a story about a historical event.

See reverse side for a matrix of the activities/presentations and their correlating standards.



Field Trip Connections to California State Content Standards – 4th Grade

4 th Grade	State Content Standards											
	Science					Math	Language Arts			History-Social Science	Visual & Performing Arts	
Activities/ Field Trip	2 c	6 b	6 c	6 e	6 f		Writing	Reading	Listening/ Speaking		Role & Dev	Visual Literacy
- Pre-Field Trip Activities -												
<i>Doing the 4Rs</i> Video									1.1, 1.2			
4Rs Discovery Activity	✓											
- Field Trip -												
Intro/4Rs Presentation	✓					3.0: 3.3		1.2	1.1	4.1: 5	3.1	
Hands-On Activity		✓	✓		✓			1.1	1.1			5.3
Walking Tour		✓				3.0: 3.3			1.1			
Reflection and Wrap-Up									1.1, 1.8, 2.2			
- Post-Field Trip Activities -												
Trash Journal Kit							WS 1.1, 1.4 LC 1.1		1.1, 2.2			
Contract to Reduce Waste!							WS 1.1, 1.4 LC 1.1					
Highest and Best Use of Resources Lesson				✓		2.0: 2.3						

Writing:
 WS – Writing Strategies
 LC – Written and Oral Language Conventions



**4th Grade Private School (Alameda County)
Field Trip Registration Form 2012-2013**

Please complete the information below to schedule a field trip to the irecycle@school Education Center located at the **Davis Street** Transfer Station (WM, Inc) in San Leandro (with the exception of Fremont, New Haven, & Newark area schools whose field trips will be at **Fremont Transfer Station** in Fremont [BLT, Enterprises] in 12-13). Submitting this completed form does not guarantee receiving a program. Teachers will be placed on the Private School Wait List and contacted by email in order completed forms are received as slots Public School 4th grades are unable to take open up two to three weeks out. **Programs run Oct 1, 2012 – May 31, 2013.**

Once you commit to an offered program date and time, Teachers will receive an email registration confirmation and pre-trip packet. A confirmation packet will also be mailed to your school if there is enough time for the mail to arrive before your program. Upon registration, you are committing to conducting all pre-and post-trip activities. Cancellations must be arranged within 72 hours of the scheduled field trip.

How did you hear about this field trip program? _____

Have you registered for this field trip in the last 4 years? Yes No

If you are not the teacher completing this form, what is your Name and Role: _____

Teacher Name	Grade	# Students (36 Max; 15 Min)	# Chaperone Drivers (If bus or vans, 7 chaperones Maximum) (1 adult to 10 student Minimum)
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School Name	Affiliation or Organization
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School Address	City	Zip
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School Phone (include Room extension)	School Fax	Best Way to Reach Teacher at School?
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Teacher Home Phone	Teacher Cell Phone	Email Teacher checks most frequently
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Location preference: ___ Davis St. (San Leandro) ___ Fremont (M, T, Th, F)

I can do **morning** tours on these days: M T W Th F

I can do **afternoon** tours on these days: M Th F

Transportation

Private School 4th grades are responsible for their own transportation to tour site.

We will use ___ Parent Drivers ___ School Vans ___ Our School's Bus

Does your class have any special requirements?

- Special Education _____
- Mobility or Access Needs _____
- Multilingual Group (explain) _____
- Other _____

You will receive a **Doing the 4Rs video** in your pre-trip packet that you are **required** to show before your trip.

Please indicate video choice:

- VHS
- DVD
- I already have a copy

*Web-based *Doing the 4Rs* is available at:
<http://schools.stopwaste.org>
 click on "Videos" tab