



Hello,

Thank you for your interest in bringing Killer Whale Tales to your classroom.

Included in this packet is a registration form, sample schedule for the program, pre/post test and a copy of the conservation activity packet called "Kids Making a Difference Now!".

Your students' participation in this overnight activity allows you to receive our program at no cost to your school. Please take a close look at it. It includes all the directions and forms necessary to help you and your students lessen their impact on the orca habitat around them. Your students will need to complete the activity and return the completed sheets within 2 weeks of our presentation date. Once we receive the completed sheets we will send the students, via the teacher, some of NOAA's orca trading cards. These cards feature photos of our local orcas and are filled fun facts and conservation tips.

We can cater our program to fit your specific needs, please do not hesitate to ask.

If you have any questions please feel free to contact us at the information listed below.

We look forward to your school's participation in the program!

Thanks,

Jeff Hogan  
Executive Director  
Killer Whale Tales  
jeff@killerwhaletales.org  
206.932.ORCA (6722)

Bringing the field to the classroom since 2000



# Program schedule for in-class visits

Here is what a typical classroom visit looks like:

## **Pre-Arrival:**

Teachers will administer the “Orca Pre-Test” to their students. Please have those sheets available the day of the presentation. A copy is attached to the end of this packet. A copy of the pre-test is at the end of this packet.

## **Arrival:**

Twenty to thirty minutes before the presentation, we will arrive to set up for the presentation. We will need access to a plug and a place to project the images, blank wall, screen, etc...

## **Storytelling Session- 55 minutes:**

Students will follow the story of a young boy who dreams of becoming a killer whale. This multi-media presentation lays the ground work for the breakout sessions and gives the participants a good primer for all of the issues facing the regions endangered whales. The storytelling is best suited to a large classroom or multi-purpose space

## **“Bringing the Field to the Classroom- Breakout Sessions- 50 minutes”:**

Following the storytelling session, we will take the students on an imaginary field trip to the San Juan Islands and train them to become orca scientists. (If possible, it is easier and more expedient for all if we can remain in one space and have all the students rotate in to do these sessions.)

*The activities you can choose from include:*

**Acoustics-** Learn and experience how whales communicate and why

**Identifying individual whales-** Each animal is unique, learn to tell them apart

**Orca Behaviors-** Using video we watch, record and interpret real whale behavior

*(A more in depth description is available on our website at [www.killerwhaletales.org](http://www.killerwhaletales.org))*

## **Conservation:**

We will introduce the “*Kids Making a Difference Now!*” activity/homework assignment. This assignment will ask the students to go home and make their home “Orca Safe”. They will be asked to investigate their power consumption, water usage, as well as other habits and behaviors that are currently scientifically proven to be impacting our region’s killer whales. A copy of this activity is also included at the end of this packet.

This activity and its completion is what allows us to bring our program to you at no cost to the school. Teacher’s *must* hand-out, collect and return the completed worksheet, to our offices within 2 weeks following our visit. Students completing the activity, to the best of their abilities, will be sent, via the teacher, a pack containing five orca trading cards. Participating school who do not return the completed worksheets will be charged for our visit, equal to four dollars per student.

## **Wrap Up:**

We will pass out orca trading cards to each of the participating students. We will also briefly retake the “Orca Pre-test. We will spend some extra time talking whales and answering questions and letting students touch and handle the orca bones!



## Registration Form for Killer Whale Tales

**Killer Whale Tales thanks you for your interest in the program.**

School: \_\_\_\_\_ Office Telephone: (    ) \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_

District: \_\_\_\_\_ County: \_\_\_\_\_

Contact Teacher: \_\_\_\_\_ Class Phone: (    ) \_\_\_\_\_

Teacher's E-mail: \_\_\_\_\_

### **Program Information**

*Each school visit includes the following for up to 100 students:*

- One 60 minute story presentation for all the students and...
- Up to three individual breakout sessions, 60 minutes in length, including all worksheets and supplies.

*(Please visit our website, [www.killerwhaletales.org](http://www.killerwhaletales.org) for a complete description of these activities and the EALR's they meet)*

### **Tuition:**

- Tuition for this special program through Killer Whale Tales is waived for schools that are willing to participate in our overnight activity "*Kids Making a Difference Now!*"

**Visitation date:**    *(please give us three options)*

Date: \_\_\_\_\_ Time(s): \_\_\_\_\_

Date: \_\_\_\_\_ Time(s): \_\_\_\_\_

Date: \_\_\_\_\_ Time(s): \_\_\_\_\_

Total # of students: \_\_\_\_\_ Total # of classrooms: \_\_\_\_\_ Grade level(s): \_\_\_\_\_

**To complete the registration please fill out the other side...**



# Registration Form for Killer Whale Tales

## Requirements:

By signing the following, teachers participating in the Killer Whale Tales program agree to:

- **Implement and complete the “Kids Making a Difference Now!- project and return the completed forms within 2 weeks of program presentation and return it to the Killer Whale Tales office at:**

**Killer Whale Tales  
PO Box 16453  
Seattle, WA 98116**

- Notify Killer Whale Tales office (206-937-6722) ASAP if reservations must be changed due to school cancellation or other emergencies
- Provide a screen or blank wall for the story presentation and access to a wall outlet or extension cord.
- Provide a map and directions to the school.

*All participating teachers must read this form and sign that they understand and agree to the above participation requirements.  
The school principal must also read and sign below.*

Signature of Contact Teacher: \_\_\_\_\_

Date: \_\_\_\_\_

Signature Of Principal: \_\_\_\_\_

Date: \_\_\_\_\_

Signatures of Additional Teachers:

_____	_____	_____
_____	_____	_____
_____	_____	_____



# **Welcome!**

## **Kids Making a Difference Now**

### **Conservation, Orca-Style!**

### **Teacher Letter**

Hello,

Thank you for your interest in our program.

We appreciate your willingness to partner with us as we help to demonstrate to your students the power they have to create a positive impact on their environment. Your guidance and follow through will allow students to research, identify and mitigate the effect of their consumer choices in this EALR-aligned project. Together we will open a door for them to move from a position of caring "about" the whales to caring "for" them.

The conservation activity is designed to tap into the excitement our program generates during our in-class visit. At the end of our presentation, students are usually quite eager to lend a hand when it comes to protecting the orcas and the habitat that we share with them. They want to make a difference, whether by telling people what they have learned or by reducing some of the effects that their consumption has on the world around them.

To do this we need your assistance. In the enclosed packet we have included the worksheets and resources you will need to do our "Kids Making a Difference Now" activity.

Here is all you need to do:

- Send home the activity packet, parent letter and ask the students to return it at a specified time. They get to keep the Resource/To Do checklist.
- When you have collected the completed sheets make sure to send them to us in the envelope provided.

When we get the results back we will send participating students up to 5 orca trading cards for their efforts. We will also add your student's results to our website, so that they may track their efforts and compare them to the data collected by the others participating in the program.

We appreciate your willingness to do this for your students and the region's killer whales. Together we will demonstrate the effects that we as individuals can have when we put our efforts together.

Please feel free to contact us with any questions about implementing this program.

Jeff Hogan  
Killer Whale Tales  
206.932.6722





# Kids Making a Difference Now!

## Parent Letter

Hello Orca families,

Tonight our program, Killer Whale Tales, will be working with your student to complete the "Kids Making a Difference Now!" orca conservation activity. The project's goal is to demonstrate that students throughout the region can make an immediate and positive impact on the overall health of the Puget Sound's Killer Whale population.

To do this, they will need your help and assistance in examining and recording their ecological footprint, both in their energy consumption habits and the products that they use around the home.

Simply assist your student in filling out the attached worksheet and return it to the classroom on the date specified by the teacher. The "laundry/checklist" is yours to post on your refrigerator to serve as a reminder to your student to continue to the work they started. There is also a resource sheet if you want to take things even further.

Killer Whale Tales will document their results and add them to the hundreds of other students throughout the region who are also participating in this project. The updated results will be posted on our website at [www.killerwhaletales.org](http://www.killerwhaletales.org).

Hopefully you will have some time to work with your child on this activity and to demonstrate to them the powerful impact each of us can make. Even a tiny bit of change, when added to that of the other students in the class, can add up to an enormous difference in the environment, both for the whales and the planet. As a bonus, everyone who participates will receive orca trading cards!

If you have any questions please feel free to contact your child's teacher.

Thanks and we look forward to working with you!

Jeff Hogan  
Executive Director  
Killer Whale Tales  
[jeff@killerwhaletales.org](mailto:jeff@killerwhaletales.org)



# Kids Making a Difference Now!

## Reminder List/ Resources

Post this list on your fridge or some place obvious to remind yourself of the changes you have made and will continue to make! Remember even a tiny change can make a big difference!

### To Do:

#### LIMIT YOUR WATER CONSUMPTION TO THE FOLLOWING:

- When brushing teeth only use the water at the beginning and when finished.
- Limit showers to 5 minutes per day.
- Reduce the bathing water level by 1-2 inches.

For more information and tips go to [www.h2ouse.com](http://www.h2ouse.com)

#### REDUCE ELECTRICAL CONSUMPTION:

- Set all thermostats in your house for 68 degrees or less.
- Want to save more? Put on a sweat shirt and you could turn the heat down about 2 degrees. Add a sweater to that and take off another 3 degrees! That's 5 degrees, which will save you 15% on your home heating. That's saving whales and money!
- Turn down your hot water heater. Most manufacturers recommend 120 degrees.
- Want to save more? Put your hot water heater on a timer, set to about one hour before your high use time.
- Go through each room and unplug all rarely used items and make sure to switch off all unused lights.
- Use Compact Florescent light bulbs instead of regular light bulbs to reduce your home's electric bill.

#### REACH FOR UNBLEACHED:

- Look for paper products with oxygen instead of chlorine. This includes toilet paper, facial tissue, paper towels and office paper. Also buy oxygen bleach for your laundry. Recycled computer/copy paper is available at most Kinko's print shop as well as office supply stores, like Staples.
- On your next grocery run look for paper products that contain the most post-consumer content. Try for 80% or more. Most local groceries offer at least one recycled option.

For more information check out [www.watoxics.org](http://www.watoxics.org) or [www.rethinkpaper.org](http://www.rethinkpaper.org) or [www.seventhgeneration.com](http://www.seventhgeneration.com) or [www.ecomall.com](http://www.ecomall.com)

#### RECYCLE:

- If you don't already, separate your trash from your recyclables. One bag for paper products, one for glass, one for plastics and one for cans.
- Put paper towels out of reach, use a sponge or reusable washrag instead.
- Re-use paper grocery sacks or better yet replace them with sturdy cloth bags.
- Buy frequently used items like popcorn, cereal and soap in bulk.

For more information visit [www.metrokc.gov/DNR/kidsweb](http://www.metrokc.gov/DNR/kidsweb)

#### BUY ORGANIC:

- Concentrate your shopping dollars on buying as much organic food as possible. Even one piece of organically grown fruit will help. Look for food labeled organic that meets or exceeds the standards set by the USDA ([www.ams.usda.gov/nop](http://www.ams.usda.gov/nop))

For more information visit [www.kids.organic.org](http://www.kids.organic.org) or [www.pccnaturalmarkets/issues/pesticide.html](http://www.pccnaturalmarkets/issues/pesticide.html) or [www.ewg.org](http://www.ewg.org) or [www.ota.com](http://www.ota.com)

#### SWIM THE EXTRA MILE:

- Can you walk or ride a bike instead of drive? How about busing or carpooling?
- Check out [www.earthday.net/footprint/index.asp](http://www.earthday.net/footprint/index.asp) to see how many Earths it would take if everyone lived like you.
- Get involved! Stay up on current events and write your elected officials. Find their contact information at [www.firstgov.gov/Contact/Elected.shtml](http://www.firstgov.gov/Contact/Elected.shtml)

# Kids Making a Difference Now! Helping Orcas At Your Home

**First name:** \_\_\_\_\_

It is up to us to do something for the whales and the planet. A great deal of what is affecting the orcas can be fixed if we are all willing to make some changes at our homes. Investigate your ecological "foot print" by filling out the sheet below. Try your best and make changes where you can. Record the results and return them to your teacher by the due date. Remember, even a little change, when added to what everyone else is doing, can add up quickly.

## Recycling Fact:

*Packaging alone makes up 64 million tons by weight or 33% of all of our garbage. Last year alone King County residents threw away 4 pounds of trash per person each day! Recycling one aluminum can saves enough electricity to power your television for 3 hours. That's a lot of hydroelectric power saved, which means more safe habitat for salmon and more food for whales.*

**Do you recycle?** (Circle one)

- Yes
- I started today
- Sorry, no recycling centers in our area
- 

**If so, what do you recycle:** (Circle all you do)

- Paper
- Plastics
- Glass
- Newspaper
- Food (worm bin?)
- Cans

## Organic Food Fact:

*Organic food is produced using sustainable agricultural production practices. Not permitted are most conventional pesticides; fertilizers made with synthetic ingredients, or sewage sludge; bioengineering; or ionizing radiation. Organic meat, poultry eggs, and dairy products come from animals that are given no antibiotics or growth hormones. The USDA National Organic Program website has more information including inspection and certification information.*

**Checkout the food in your fridge and kitchen cabinets. Do you use products that have this label on the packaging?** (Circle one)

Yes No



**On your next shopping trip can you replace at least one of your normal food purchases with an organic product?** (Circle one)

Yes No We will from now on

## Recycled/Chlorine Paper Fact:

*If every household in the US replaced just **one** 12 pack of virgin fiber bathroom tissue with 100% recycled ones we could save 4.4 million trees and avoid 275,000 pounds of pollution! More trees means more habitat for salmon, which are orcas' main food source. Bleaching paper with chlorine compounds to make it whiter is one of the largest causes of toxic pollution in Washington State. This toxic contaminant is called Dioxin and is one of the most toxic chemicals known to man. Dioxin causes all sorts of immunological and reproductive problems in mammals.*

**Check the packaging on the paper products in your home. Do the products you use say "chlorine free/ made with post consumer" or have this label on the packaging?** (Circle one)

Yes No



**On your next shopping trip can you replace at least one of your normal paper purchase with a chlorine free/recycled product?** (Circle one)

Yes No We will from now on



# Kids Making a Difference Now! Helping Orcas At Your Home

## Showering, Bathing and Brushing Facts

*Every drop of water in your home has to be pumped from rivers, reservoirs, or underground caverns. That takes a lot of energy. Plus the more water we consume for ourselves and to generate electricity means less for salmon.*

**Time yourself. When brushing your teeth tonight how long is the water on?**

\_\_\_\_\_ seconds

In the morning, when you brush again I cut that time by:

\_\_\_\_\_ seconds

**Do you shower? If so, for how long?**

\_\_\_\_\_ minutes

During my next shower I cut my time by:

\_\_\_\_\_ minutes/seconds

**Or do you take a bath? If so, measure with a ruler the depth of the bathwater you use.**

Normal Bath \_\_\_\_\_ inches

I reduced the amount of water in my next bath by:

\_\_\_\_\_ inches

*If we all turned down the heat by 5 degrees during the winter we would save the energy equivalent of 475,000 barrels of oil everyday. That means less pollution and a smaller chance of a catastrophic oil spill!*

**Check the thermostat in your house and record what it is set at. Can you turn it down? Make note of the change you made!**

Temperature before: \_\_\_\_\_

Temperature after: \_\_\_\_\_

*Here in the Northwest we get a lot of our power from hydro-electric dams. These dams generate electricity by blocking the free flow of river water and allowing gravity to draw the water through a turbine. These waters are also the habitat or our salmon.*

**Count the number of lights and electronic equipment currently using electricity.**

(Make sure to include TV's, VCR's, DVD players, computers, especially those with remotes as they usually draw power even when they are off.)

Enter that number here: \_\_\_\_\_

I turned off or unplugged the following number of Lights/Equipment: \_\_\_\_\_

Have you replaced any conventional light bulbs with long lasting/energy saving fluorescent ones?

Yes      No      We will next time

**Please list any other things that your family does to reduce their environmental impact:**

---



---



---



---

Thanks for your help! Return this to your teacher and get your orca trading cards!



# What do you know about orcas?

Name:

1. Use the list and draw a line connecting the word with it's location. (See example)

Rostrum

Eye patch

Blow hole

Saddle Patch

Fluke

Dorsal fin

Pectoral fin



2. Most orcas spend their entire lives with their: a. Mom b. Dad c. both

3. Orcas communicate using: (Circle all that apply, 1 point for each right answer)

*Whistles Hand signals Words Tail lobs Pec slaps Screaming*

4. What behaviors are the orcas displaying in the pictures below?



5. List 2 things that are threatening the orcas in Puget Sound right now.

---

---



# What do you know about orcas?

**6. You can tell individual whales apart by:** (circle all that are correct)

*Personality    Shape of their dorsal fin    Scars    What they eat    Saddle patch    Hair color*

**7. What kind of fish do the Southern Resident orcas prey on the most?**

---

**8. How long can orcas live? (Circle the correct answer):**

no one knows    20 years    5 years    16 years    same as humans

**9. Is the whale pictured below a male or female? How can you tell?**



---

---

**10. Orcas use echolocation to:**

- A. Hunt for fish in dark waters
- B. Map the underwater terrain
- C. Navigate around objects
- D. All of the above

**11. Male orcas can grow as big as:**

- A. A human male
- B. A building
- C. A big truck
- D. A motorcycle

**12. Name 3 things you can do around your house to help clean up the orca habitat.**

---

---

---