



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 day, a pre/post test (for grades 3-6th) and a copy of the conservation activity packet called "Kids Making a Difference Now!".

Your students' participation in this overnight conservation activity allows us to use grant funding so that we may visit you 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, their orca trading cards as a reward for successfully completing the activity. These cards, printed by the Seattle Aquarium, feature photos of our local orcas and are filled with fun facts and conservation tips.

It is possible to cater our program to fit your specific classroom 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!

Jeff Hogan
Executive Director
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What does a visit look like?



Here is what a typical classroom day looks like:

Pre-Arrival:

Teachers (grades 3 and above only) will administer the "Orca Pre-Test" to their students. A copy of the pre-test is at the end of this packet.

Our Arrival:

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

Storytelling Session- 60 minutes:

Students will attend this assembly style story presentation and follow the tale 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 endangered whales. The storytelling is best suited to a large classroom or a multi-purpose space, like a library or lunch room.

"Bringing the Field to the Classroom"- Breakout Sessions- 50 to 60 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 by having them collect and analyze data in a "field research" inspired game. This activity changes yearly to reflect recent scientific discoveries. (If possible, it is far easier and more expedient for all, if we can remain in **one** space and have all the students rotate in to do these sessions. Multiple room changes necessitates an additional **20 minutes** in break down and set-up time for each classroom change).

Following the Breakout activity we set up the "Kids Making a Difference Now!" activity - 7-10 minutes:

We will introduce the "*Kids Making a Difference Now!*" activity/homework assignment. This assignment will ask the students to go home and make their homes "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 regions killer whales. A copy of this activity is also included at the end of this packet.

This activity and it's completion by your class 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 worksheets 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 of up to 10 orca trading cards. Participating school who do not return the completed worksheets to the best of their ability, or without mitigating circumstances, will be charged for our visit, equal to \$5.00 dollars per student not completing the form.

Wrap Up- time depends on your scheduling, usually 5 minutes:

We will spend some extra time talking whales and answering questions and letting students touch and handle the orca bones! In addition, we will pass out orca trading cards to each of the participating students in attendance.

Post Visit:

Following our visit, teachers will be asked to return the "pre-test" to each student and have them self correct those sheets using a different colored pen/pencil. Please return those **corrected** sheets to our offices, along with the conservation activity sheets, in the envelopes we provide to you. Upon receipt we will send the participating students their additional orca cards for completing the "*Kids Making a Difference Now!*" activity as well as a report summarizing your groups conservation efforts.

Registration Form for Killer Whale Tales



Please complete and return by snail mail or scan to our office:

School: _____ Office Telephone: () _____

Address: _____ City: _____ Zip: _____

District: _____ County: _____

Contact Teacher: _____ Class Phone: () _____

Teacher's E-mail: _____

Program Information

Each school visit includes the following:

- 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 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 1: _____ Date 2: _____ Date 3: _____ Time(s): _____

Total # of students: _____ Total # of classrooms: _____ Grade level(s): _____

Your schools Free/Reduced Lunch Percentage: _____ (this is for record keeping only and has no influence on your schools registration)

Names of all Participating Teachers:

over...



Registration Form for Killer Whale Tales

Requirements:

By signing the following, all participating teachers 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.

*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:

_____	_____	_____
_____	_____	_____
_____	_____	_____



“Kids Making a Difference Now” Teacher Instructions

Hello,

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 on the Southern Resident Killer Whale habitat. 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 daily choices have 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 complete our “Kids Making a Difference Now” activity.

Here is all you need to do:

- After our visit, send home the activity sheet and ask the students to return it at a specified time. Don't worry about setting the stage or explaining the activity, we will do that during our talk!
- When you have collected the completed sheets make sure to send them to us within two weeks of our presentation, in the envelope provided.

When we get the results back we will send all participating students up to 10 orca trading cards for their efforts. We will then tabulate your classes data and send a report back to you, so you and your class can examine the results!

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

Jeff Hogan
Killer Whale Tales
206.932.6722
jeff@killerwhaletales.org





Kids Making a Difference Now! Helping Orcas At Your Home

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

Under inflated tire fact:

When tires are not inflated to the pounds per square inch (PSI) rating recommended by the manufacturer, they are less "round" and require more energy to begin moving and to maintain speed. As such, under-inflated tires do indeed contribute to unnecessary pollution and increased fuel cost.

Are your tires inflated to the correct PSI?

(Circle one) They already were They are now!

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 a label like the one below 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

Thermostat fact:

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: _____

Electricity fact:

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 our Southern Resident Killer Whales?

First name: _____

1. Use the list and draw a line connecting the word with it's location on the whale:

Saddle patch

Eye Patch

Fluke

Blow hole

Pectoral fin

Dorsal fin



Illustration courtesy of Uko Gorter

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



3. Circle the 3 reasons that the Southern Resident Killer Whales were listed as "endangered" in 2006:

- Human generated noise Great White Sharks Pollution Lack of food
 Water temperature Hunters Too many whales

4. Orcas communicate using: (circle all that are correct)

- Whistles Hand signals Words Tail lobes Pec slaps Screaming Phones Calls



What do you know about our Southern Resident Killer Whales?

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

- Personality Shape of their dorsal fin Scars Their toys Saddle patch
How fast they swim Hair color Size of dorsal fin

6. What kind of animal do the Southern Resident Killer Whales prey on the most?

(circle all that are correct)

- Tuna Penguins Other whales/dolphins Rainbow Trout
Seals Sharks Chinook Salmon

7. Who has a bigger hip bone? (circle the correct answer) You An Orca



8. Is the whale in the pictured a male or female? How can you tell?

9. Orcas use echolocation to: (circle the correct answer)

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

10. List 2 things you can do, around your house, to help clean up the Puget Sound orca habitat:

11. As of today, how many Southern Resident Killer Whales are there on the earth?

_____ (put a number)