



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 the “Kids Making a Difference Now!” 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.

The “Kids Making a Difference Now!” worksheet includes all the directions and forms necessary to help you and your students lessen your impact on our orca’s habitat. **Your students will need to complete the activity and return the completed sheets within two (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. Additionally, each teacher or school will receive an emailed “report card” to share with their students and showcase the environmental impact that students can have when their individual efforts are combined.



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  
Killer Whale Tales  
jeff@killerwhaletales.org



KILLER WHALE TALES

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## **What does a visit look 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 included 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 set of electrical outlets and a place to project the images like a 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 annually to reflect recent scientific discoveries. Please visit our website, [www.killerwhaletales.org](http://www.killerwhaletales.org) for a complete description of these breakout activities and the EALR’s they meet

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.

### **Set up the “Kids Making a Difference Now!” activity - 7-10 minutes**

Immediately following the breakout sessions we will introduce the “Kids Making a Difference Now!” conservation 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 household 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 by your class is what allows us to bring our program to you at no cost to the school. Teachers must hand-out, collect, and return the completed worksheets to our offices **within two (2) weeks** following our visit. Participating schools that 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 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. Using the envelopes we provide to you, please send those corrected test sheets to our offices along with the completed “Kids Making a Difference Now!” conservation activity sheets.

Upon receipt we will send the participating students their additional ten (10) orca cards for completing the “Kids Making a Difference Now!” activity as well as a report summarizing your group’s conservation efforts.

### **Deep Dive – Four 60-minute online sessions**

After we receive your class’ “Kids Making a Difference Now!” worksheets, your class/school will be invited to participate in a series of up to four (4) online follow-up sessions where we will discuss specific topics of whale research in more detail. Each online session (held on Friday mornings) will involve multiple schools/classrooms and will allow students to learn more from Jeff or another orca scientists and from each other. Each session will begin with discussion of an in-depth topic (a specific whale behavior, the purpose and evolution of a specific set of anatomical features, a look at the lifecycle of the Southern Resident Killer Whale’s primary food source – Chinook salmon, how to become an orca scientist, etc.) and will include an related interactive game followed by open forum for Questions and Answers.

At the end of the session another homework assignment will be assigned in relation to the topics discussed and could include drawing a picture to share, tracking more conservation data, writing letters to congress, etc. The results of this homework assignment will be due prior to the next scheduled deep-dive session as applicable so that the results can be discussed in that following session.

The Deep Dive program is optional but highly encouraged. Please make sure that your school’s internet connection is sufficient to stream high quality video and audio if you wish to participate.

For schools without sufficient internet speed, accommodations can be made so that your school can still receive the contents of this program, please let us know if you would like to participate but do not have adequate internet bandwidth.



## Registration Form for Killer Whale Tales

**Please complete and return by snail mail (5623 46th Ave SW Seattle, WA 98136) or scan and email to admin@KillerWhaleTales.org**

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

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ Zip code: \_\_\_\_\_

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

Contact Teacher / Principal Name: \_\_\_\_\_

Class / Direct Telephone: (    ) \_\_\_\_\_

Contact Teacher's / Principal's Email: \_\_\_\_\_

### **Program Information**

Each school visit includes the following:

- One 60 minute story presentation for all the students
- Up to three breakout sessions, 60 minutes in length, including all worksheets and supplies.
- Access to our online Deep Dive program

### **Tuition**

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

Participating schools that do not return the completed worksheets to the best of their ability, will be charged for our visit, equal to \$5.00 dollars per student not completing the form.

### **Proposed Visitation Dates:** (please give us three options)

Date 1: \_\_\_\_\_ Time 1: \_\_\_\_\_

Date 2: \_\_\_\_\_ Time 2: \_\_\_\_\_

Date 3: \_\_\_\_\_ Time 3: \_\_\_\_\_

**Please turn over to complete this registration form**





**Expected Participants:**

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

Names of All Participating Teachers:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Your schools Free/Reduced Lunch Percentage: \_\_\_\_\_ *(this is for record keeping only and has no influence on your school's registration)*

**Program Requirements:**

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

- Have students complete the “Kids Making a Difference Now!” assignment **within 2 weeks** of the presentation and return the completed forms to the Killer Whale Tales office at:

**Killer Whale Tales  
5623 46th Ave SW  
Seattle, WA 98136**

- Notify Killer Whale Tales office (206-458-9863) ASAP if reservations must be changed due to school cancellation or other emergencies
- Provide a screen or blank wall and access to a wall outlet or extension cord for both the storytelling presentation and breakout sessions

*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 / Principal: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of Principal (if not the contact): \_\_\_\_\_ Date: \_\_\_\_\_

Names of All Additional Participating Teachers:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## **Killer Whale Tales Program Materials**

Included in the following pages are the:

- Teacher instructions for “Kids Making a Difference Now” conservation homework
- Printable copies of the “Kids Making a Difference Now” 2-page worksheet
  - Don’t worry, we’ll bring enough copies for every expected student
  - Our worksheets are printed on 100% recycled paper with eco-friendly ink to help reduce the impact of our program on the environment
- Printable copies of the Orca Pre-Test.
  - For Grades 3+ only
  - Please print out enough of the pre-tests for each of your students to take the test prior to our presentation date



## **“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 that 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.

This 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 class’ 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  
206-458-9863  
jeff@killerwhaletales





# Kids Making a Difference Now! Helping SRKWs at Your Home

With an adult, investigate your ecological “footprint” by filling out or circling the answers on the sheet below. Make changes where you can, record the results, and return this worksheet to your teacher by the due date. Remember, even a little change, when added to what everyone else is doing, can add up quickly.

Everyone who tries their best to complete this gets orca cards!

## Recycling at Home

Fact: Recycling decreases emissions of greenhouse gases that contribute to global climate change. Recycling also conserves natural resources such as timber and water; protecting salmon!

Do you recycle? Yes No We will try from now on

## Composting: Food and Yard Waste

Fact: Organic waste in landfills generates methane; a potent greenhouse gas. By composting wasted food and other organic matter, methane emissions are significantly reduced.

Do you compost your food scraps / yard waste?

Yes No We will try from now on

## Recycled and Chlorine Free Paper

Fact: If every household replaced one 12-pack of virgin fiber bathroom tissue (toilet paper) with 100% recycled tissue we could save 4.4 million trees and avoid 275,000 pounds of pollution. More trees means more habitat for salmon!

Check the packaging on your paper products. Do they say “chlorine free/made with post-consumer” or have this label on the packaging?

Yes No



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

Yes No We will try from now on

## Kids Can Make a Difference

Share what you learned today during Killer Whale Tales with your pod at home.

I already did I will right now

(Remember” Poop is scientifically important and the s4 call!)

## Organic Food = Less Pollution

Fact: Organic food has been grown and/or processed without synthetic pesticides, chemical fertilizers, irradiation, industrial solvents, or chemical food additives. The more Organic food that we buy, the less likely it is that the above chemicals will end up in the water supply.

Do you use products that have this label on the packaging?



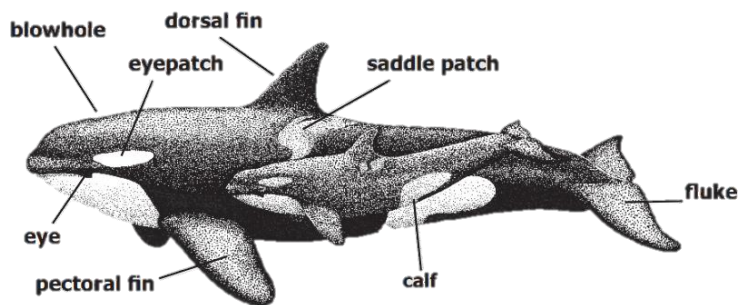
Yes No We will try from now on

## No straw, thank you!

Fact: 500 million straws are used and discarded every day in the United States alone. Plastics that end up as ocean debris contribute to habitat destruction and kill tens of thousands of marine animals each year.

Will you commit to saying “no, thank you” to single-use plastic straws the next time you are offered one?

Yes No We already do



## Under-Inflated Tires

Fact: When tires are not inflated to the correct level (PSI) they are less “round” and require more energy to begin moving and maintain speed. As such, under-inflated tires contribute to unnecessary pollution and increased fuel costs.

Are your tires inflated to the correct PSI?

Yes, they already were No but they are now!



# Kids Making a Difference Now! Helping SRKW's at Your Home

## Reduce Your Electrical Usage

Fact: In the Pacific Northwest, we get a lot of our electrical power from hydroelectric dams. These dams generate electricity by blocking the free flow of river water. Reducing your electrical usage will save water for the SRKW's favorite food: salmon!

Start by counting the number of lights and electronic equipment currently using electricity.

*(Make sure to include TVs, computers, kitchen appliances, DVD/Blu-ray players, especially those with remotes as they usually draw power even when they are off.)*

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

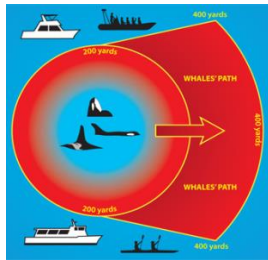
With permission, turn off any unused lights and unplug electronic devices that are not currently in use.

Now enter the number of devices that you turned off/unplugged: \_\_\_\_\_

*(You just helped the whales by helping the salmon. You're pretty cool! But you knew that...)*

## Be Whale Wise

Fact: Seeing killer whales and other marine wildlife in their natural environment can be a thrilling experience. But sometimes we forget that our presence has an effect on wildlife. Just like us, marine animals need space to find food, choose mates, raise young, socialize, and rest.



Will you commit to "Being Whale Wise" and stay at least 200 yards away from the whales?

Yes No I only watch whales from the beach

*(For more info go to [www.bewhalewise.org](http://www.bewhalewise.org))*

## What Else Did You Do? Or... "Jeff, How Did You Forget To Mention This?"

Fact: People all over the world are making a difference every day. You can too! Please list one other thing, not previously mentioned, that you and your family do to "reduce, reuse and recycle".

\_\_\_\_\_  
\_\_\_\_\_

## Turn Down the Heat

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 every day. That means less pollution and a smaller chance of a catastrophic oil spill!

If you have one, check the thermostat in your house and record what it is set at. Can you turn it down a few degrees?

Before: \_\_\_\_\_ After: \_\_\_\_\_ Difference: \_\_\_\_\_ degrees!

*Note the change you made!*

## Swap Those Bulbs Once They Burn

Fact: Today's LED bulbs can be six to seven times more energy efficient than conventional incandescent lights and cut energy use by more than 80 percent.

Will you commit to using energy efficient lightbulbs the next time the light goes out?

Yes No

## Water Usage

Fact: 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.

When brushing your teeth tonight, the water ran for \_\_\_\_\_ seconds

Cut back! When you brush again, how long is the water on? \_\_\_\_\_ seconds

How much running water did you save? \_\_\_\_\_ seconds!

If you shower, how long is the water running?

\_\_\_\_\_ minutes (min) \_\_\_\_\_ seconds (sec)

Cut back! Next shower was \_\_\_\_\_ mins \_\_\_\_\_ secs

How much did you save? \_\_\_\_\_ mins \_\_\_\_\_ secs!

If you take a bath, measure with a ruler the depth of the bathwater you use before you get in. Normal bath level is \_\_\_\_\_ inches deep

Cut back! My next bath was \_\_\_\_\_ inches deep

How much did you save? \_\_\_\_\_ inches!



# What do you know about our Southern Resident Killer Whales?

**First Name:** \_\_\_\_\_

1. Use the list and draw a line connecting the anatomy 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 three (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

Phone calls

**Please turn the page, there's more on the other side!**



# 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?

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

7. Who has a bigger hip bone?

- You
- An Orca

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




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9. 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

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

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

\_\_\_\_\_ (please put a number)