The Greenway Education Program is supported in part by:

Washington State Parks

The Russell Family Foundation

Grousemont Foundation

King County
Department of Natural Resources and Parks
Wastewater Treatment Division

Next Generation Stewards
Science Journal

Mountains to Sound Greenway Trust
206.382.5565
education@mtsgreenway.org

This journal belongs to:

My teacher's name is:

My school is:
Draw a healthy Pacific Northwest forest ecosystem. **Label** the parts of your drawing and draw **arrows** to show energy flow. **Use both pages.**
1. Find your school and Tiger Mountain on the map.
2. How does the type of land change as you move from west to east (left to right)? (Use the key).
Nature’s ABCs

Abiotic means _____________________________

L _____________________________

A _____________________________

W _____________________________

S _____________________________

Biotic means _____________________________

P _____________________________

Write an example: _____________________________

C _____________________________

Write an example: _____________________________

D _____________________________

F _____________________________

B _____________________________

I _____________________________

Connections!

An ecosystem is made up of many connections.

https://photosynthiseducation.com/photosynthesis-for-kids/

[Diagram of photosynthesis]

Water + Sunlight + Carbon dioxide = Plant energy
Welcome to the Tiger Mountain forest ecosystem!

This 14,000-acre forest is home to a wide variety of plants and animals. Please keep this in mind while visiting, and practice 'Leave No Trace' principles by packing out your trash, leaving what you find where you find it, respecting wildlife, and being considerate of other visitors.

Use these pages to record your abiotic and biotic observations.
(Find something not on the list? Record it on page 11!)

Date: ___________ Time: ______ Season: ___________

**WATER**
- __ Rain
- __ Stream
- __ Snow
- __ Lake
- __ Mist
- __ Swamp

**SOIL**
- __ Clay
- __ Mud
- __ Loam
- __ Gravel
- __ Sand
- __ Big Rocks

**PRODUCERS**

_ TREES:_
- Western Redcedar
- Douglas-Fir
- Western Hemlock
- Bigleaf Maple
- Vine Maple
- Red Alder
- Cottonwood

_ FERNS:_
- Sword Fern
- Licorice Fern
- Bracken Fern

_ MOSSES & LICHENS:_
- Moss
- Lichen

**SHRUBS:**
- Osoberry
- Horsetail
- Salal
- Oregon Grape
- Devil's Club
- Stinging Nettle
- Bleeding Heart
- Red Huckleberry
- Salmonberry

**INVASIVE PLANTS:**
- English Ivy
- English Holly
- Stinky Bob
- Scotch Broom
- Creeping Buttercup
- Himalayan Blackberry

**MAMMALS:**
- Douglas' Squirrel
- Chipmunk
- Black-Tailed Deer
- Mouse
- Black Bear

**FUNGI:**
- Shelf-Type Fungi
- Mushroom-Type Fungi
- Jelly-Type Fungi

**INVERTEBRATES:**
- Banana Slug
- Black Slug (invasive!)
- Brown Slug (invasive!)
- Snail
- Earthworm
- Yellow-Spotted Millipede
- Fly
- Ant
- Beetle
- Spider

**BIRDS:**
- Crow
- Raven
- Woodpecker
- American Robin
- Hummingbird
- Mallard
- Pacific Wren
- Osprey
- Bald Eagle
- Red-Tailed Hawk
Reflect on the Field Trip

1. What did you most enjoy on the field trip to the Tiger Mountain forest ecosystem?

Mark the box that best describes you.

Learn
- I know a little about nature.
- I know a lot about nature.
- I can teach others about nature.

Care
- I kind of care about nature.
- I really care about nature.
- I can tell others why I care about nature.

Protect
- I am not sure how to protect nature.
- I can name 3 things I can do to protect nature.
- I can help others protect nature.
Draw a healthy Pacific Northwest forest ecosystem. Label the parts of your drawing and draw arrows to show energy flow. **Use both pages.**
How to Be a Steward

Date: ____________

1. How can you learn more about the nature around you?

____________________________________________________________________________________

2. How can you help others explore nature?

____________________________________________________________________________________

3. What are some actions you can take to help protect nature?

____________________________________________________________________________________

____________________________________________________________________________________

Discover more Greenway hikes and events at mtsgreenway.org/explore-the-greenway

Volunteer in the Greenway, visit mtsgreenway.org/volunteer

Become a Steward of Nature

I, ___________________________ on this day of ____________ am proud to become a Steward of the Mountains to Sound Greenway. I hereby promise to continue to learn about nature and enjoy its many wonders; to share what I know and why I care with my friends and family; and to protect nature in my city and in the forest.

____________________________________________________________________________________

signature

MOUNTAINS to Sound
GREENWAY