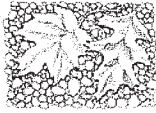


# Sand Dune Discovery Trail

Walk along the sand dune trail (please stay on the pavement) and the beach. Find the following items, and check them off your list. This is a special and fragile area. Please - Do NOT collect anything!

Find the following:

Colors!



- a purple flower (look near the driftwood)
- a white flower
- a plant with red stems
- two different colored berries

Things that fly



- 3 different types of birds (example: seagull, eagle, & crow)
- woodpecker holes in a snag (a dead tree still standing)  
what are the woodpeckers looking for? \_\_\_\_\_
- a damselfly (it looks like a dragonfly, but it's smaller & blue)

Plants and ants



- name 2 different plants found in the dunes  
1. \_\_\_\_\_, 2. \_\_\_\_\_  
(hint: look on the big sign near the start of the dunes)
- lichen (don't be fooled - it's not Spanish moss)
- a conifer (look for needles and cones)
- an insect
- a tree with orange, peeling bark
- Extra credit: what is the WA state tree? \_\_\_\_\_

All about dunes!



- what part of the dunes comes after West Beach & the foredune? \_\_\_\_\_
- 2 types of evidence of animals  
(hint: look for prints, chew marks on plants, or even poop!)
- the marsh overlook
- wet hollow (low spot in trough with trees & shrubs)

Uh-oh, humans were here and left a mark



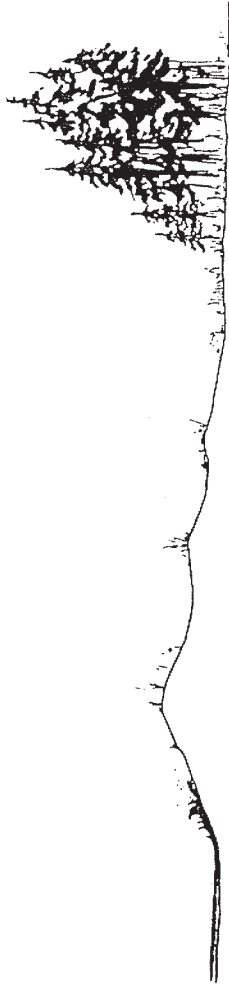
- at least 30 pieces of litter or trash (do NOT pick up fishing hooks, anything sharp, unknown items, or items with fluids - always ask an adult if you are not sure)
- social trails (trails in the sand where people have left the pavement)  
Keep track of how many you find: \_\_\_\_\_

**Check off the correct outdoor ethics rules.**

- Feed the animals.
- Stay on the trail.
- Collect cones and leaves.
- Leave only footprints.
- Collect litter.
- Take only memories.
- Be prepared.

**Looking at the sand dune kiosk...**

Draw a line connecting each structure to its location on the sand dune outline.



- Trough
- Beach
- Forest
- Foredune

**Check off the dune plant adaptations.**

- Succulent leaves and stems
- Low growing
- Thorns
- Extensive root systems
- Carnivorous

Your Name \_\_\_\_\_

**Words to Know**

Write the number of the correct definition in the blank next to the word.

- Succulent \_\_\_\_\_ Habitat \_\_\_\_\_
- Non-native \_\_\_\_\_ Invasive \_\_\_\_\_
- Ethics \_\_\_\_\_ Adapt \_\_\_\_\_
- Ecosystem \_\_\_\_\_ Diversity \_\_\_\_\_
- Social Trails \_\_\_\_\_ Conifers \_\_\_\_\_
- Nutrients \_\_\_\_\_ Stabilize \_\_\_\_\_

1. Cone-bearing trees
2. Having thicker leaves that retain water
3. Trails not maintained by the park
4. Variety, different
5. To keep from changing, to make firm
6. Non-native species that overtakes natives
7. Plant that has been introduced
8. Region where a plant or animal grows.
9. Principle of good conduct.
10. Act of changing so as to become suitable.
11. Community of interrelated organisms.
12. Substance which nourishes.