

# K-5 Field Programs – Water of the Rogue Valley – Spring 2015

**OVERVIEW:** This is the second in a 6 program series geared toward the hands-on teaching of local natural and cultural history. All programs are hands-on and are taught at two levels, K-2 and 3-5, so that students may participate in a total of 12 unique programs, (two per year) building on their knowledge throughout their grade school career.

**THIS SEASON:** We will take a close look at water and the ways it affects our daily lives and how we, in turn, can affect it. Activities will explore wetlands and watersheds and the plants and animals that share these habitats. Students will appreciate the importance of conservation and personal sustainability choices, as they learn how all organisms are connected through their need for water.



## **OBJECTIVES:**

- ✦ To foster a “sense of place” by teaching local natural and cultural history
- ✦ To foster an appreciation of, and respect for, nature
- ✦ To model a variety of ways that students can enjoy being outdoors
- ✦ To provide examples of how people’s actions affect the natural environment
- ✦ To model a variety of ways that students can participate in local environmental stewardship

## **K – 2 GRADE ROTATIONS:**

### **The Water Cycle**

Students will watch a demonstration of how water changes form, and will be able to describe the stages of the water cycle. Then, the students will role-play becoming a rain drop while they walk, skip, and “fly” through the water cycle.

### **What’s In A Wetland?**

Students will explore wetland diversity and the different types of habitats that can be found in a wetland. Interacting with a wetland model, students will place organisms where they are most likely to be found. Students will then take time to observe a real wetland to look for animals in each habitat.

### **Watershed Web**

Using a 3D watershed model, students will identify a watershed. Students will construct a large scale web model to illustrate that humans, animals and plants share a common dependency on a finite water supply.

## **3<sup>RD</sup> - 5<sup>TH</sup> GRADE ROTATIONS:**

### **Water Use and Conservation**

Students will see real-life examples of water conservation strategies at the Nature Center. They will play a game which demonstrates the challenges of balancing multiple demands when there is a finite amount of water available. Students will grasp the importance of water conservation throughout the Rogue Valley.

### **Wonderful Wetlands**

Students will learn how pollution moves through a watershed, and how wetlands clean pollution from the water. Students will then design and test their own filtration system using natural wetland materials.

### **Water Quality**

Students will discover the importance of water quality for healthy stream habitats, including salmon as an indicator of water quality. They will explore a variety of Park features to learn how a community can help improve local water quality and stream habitats.

# K-2 Field Programs – Water of the Rogue Valley - Spring 2015

**OVERVIEW:** This is the second in a 6 program series geared toward the hands-on teaching of local natural and cultural history. All programs are hands-on and are taught at two levels, K-2 and 3-5, so that students may participate in a total of 12 unique programs, (two per year) building on their knowledge throughout their grade school career.

**THIS SEASON:** This season, students will explore water. We will take a close look at water and the ways it affects our daily lives and how we, in turn, can affect water. Activities will explore wetlands and watersheds and the plants and animals that share these habitats. Students will appreciate the importance of conservation and personal sustainability choices, as they learn how all organisms are connected through their need for water.



## **OBJECTIVES:**

- ✦ To foster a “sense of place” by teaching local natural and cultural history
- ✦ To foster an appreciation of, and respect for, nature
- ✦ To model a variety of ways that students can enjoy being outdoors
- ✦ To provide examples of how people’s actions affect the natural environment
- ✦ To model a variety of ways that students can participate in local environmental stewardship

## **K – 2 GRADE ROTATIONS:**

### **The Water Cycle**

Students will watch a demonstration of how water changes form, and will be able to describe the stages of the water cycle. Then, the students will role-play becoming a rain drop while they walk, skip, and “fly” through the water cycle.

### **What’s In A Wetland?**

Students will explore wetland diversity and the different types of habitats that can be found in a wetland. Interacting with a wetland model, students will place organisms where they are most likely to be found. Students will then take time to observe a real wetland to look for animals in each habitat.

### **Water Web**

Using a 3D watershed model, students will identify a watershed. Students will construct a large scale web model to illustrate that humans, animals and plants share a common dependency on a finite water supply.

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## 3-5 Field Programs – Water of the Rogue Valley – Spring 2015

**OVERVIEW:** This is the second in a 6 program series geared toward the hands-on teaching of local natural and cultural history. All programs are hands-on and are taught at two levels, K-2 and 3-5, so that students may participate in a total of 12 unique programs, (two per year) building on their knowledge throughout their grade school career.

**THIS SEASON:** This season, students will explore water. We will take a close look at water and the ways it affects our daily lives and how we, in turn, can affect water. Activities will explore wetlands and watersheds and the plants and animals that share these habitats. Students will appreciate the importance of conservation and personal sustainability choices, as they learn how all organisms are connected through their need for water.



### **OBJECTIVES:**

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- ✦ To model a variety of ways that students can participate in local environmental stewardship

### **3<sup>RD</sup> - 5<sup>TH</sup> GRADE ROTATIONS:**

#### **Water Use and Conservation**

Students will see real-life examples of water conservation strategies at the Nature Center. They will play a game which demonstrates the challenges of balancing multiple demands when there is a finite amount of water available. Students will grasp the importance of water conservation throughout the Rogue Valley.

#### **Wonderful Wetlands**

Students will learn how pollution moves through a watershed, and how wetlands clean pollution from the water. Students will then design and test their own filtration system using natural wetland materials.

#### **Water Quality**

Students will discover the importance of water quality for healthy stream habitats, including salmon as an indicator of water quality. They will explore a variety of Park features to learn how a community can help improve local water quality and stream habitats.

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