

Vail 4th Grade Field Days at BBR—Fall 2009

Field Day 1—Getting to Know Your Watershed—September 28 & 30

9:00 – 9:50 or 12:00 – 12:50

Session A—Watch pH demonstrations and learn about the pH scale—in the Barn—25 minutes

Session B—Use a watershed model to understand non-point source pollution—on the Barn deck (with Wild Fish Conservancy staff)—25 minutes

10:00 – 11:15 or 12:50 – 2:15—in BBR sector 5 near the Wenatchee River

Session A—River & salmon observations (WFC)—25 minutes

Session B—Water Quality Testing—25 minutes

- dissolved oxygen
- pH
- temperature
- turbidity

Session C—Introduction to digital cameras—25 minutes

Field Day 2—What's Out There?—October 12 & 14

9:00 or 12:00—Arrive by bus at first bridge (to Blackbird Island from downtown Leavenworth) & walk to second bridge (to Enchantment Park from Blackbird Island)

9:15 – 11:00 or 12:15 – 2:00

Session A1—**Macroinvertebrates** in the Wenatchee River—25 minutes

- Use stereoscopes & photo ID cards to observe & classify live macroinvertebrates that Dr. Mark Oswood has netted in the river

Session A2—Observe **salmon spawning** on the Wenatchee River—25 minutes

- Use binoculars and spotting scopes to observe fish behavior

Session B—Document flora & fauna in a **scavenger hunt with digital cameras**—50 minutes

- Plants, algae, and fungi
- Animal remains (e.g. scat, tracks, bones, feathers, nests)
- Insects
- Other animals (e.g. mammals, birds, fish, spiders)

Field Day 3—Using Tools of Poet and Scientist to Investigate and Describe the Natural World—October 19 & 20

Session A—Inside the Barn—60 minutes

Observe and record **physical and behavioral characteristics of live vertebrates and invertebrates**

- ✓ Hissing cockroach—insect
- ✓ Goldfish—fish
- ✓ Guinea pig—mammal
- ✓ Leopard gecko—reptile
- ✓ Rose-haired tarantula—spider
- ✓ Fire-bellied toad—amphibian
- ✓ Red-eared slider (turtle)—reptile
- ✓ Giant millipede—arthropod

Session B—Inside the River Haus—60 minutes

- Write **haiku** about experiences at BBR—30 minutes
- Observe **redworms**—30 minutes