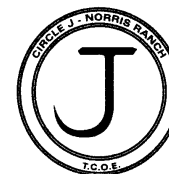


Circle J -Norris Ranch
Sample Field Trip Schedule
Grade 4



Time	Group 1	Group 2	Group 3	Group 4
9:10 - 9:30	Arrive, Bathroom Break, Rules and Orientation			
9:30 - 9:45	Tour of a Bermed Earth Building, then hike to stations			
9:45 - 10:20	Watershed Model and Erosion	Food Chain Safari	Watercolor-Pond Ecosystem	Pond Water Exploration w/Microscopes
10:25-11:00	Food Chain Safari	Watershed Model and Erosion	Pond Water Exploration w/Microscopes	Watercolor-Pond Ecosystem
10 min. HIKE & SNACKTIME	Groups down below hike up to pond area Eat snack at the beginning of your next station			
11:10 - 11:45	Watercolor-Pond Ecosystem	Pond Water Exploration w/Microscopes	Watershed Model and Erosion	Food Chain Safari
11:50 - 12:25	Pond Water Exploration w/Microscopes	Watercolor-Pond Ecosystem	Food Chain Safari	Watershed Model and Erosion
12:25	Groups hike up to building, pond & watercolor stations set up lunch & begin			
12:30 - 1:00	Lunch in picnic area, Clean up, Use bathrooms			
1:10 - 11:25	Reflective Activity at Pond Overview			
1:30	Bus Departs			

Pond Investigation: Students briefly observe the stream ecosystem and systematically describe its living and non-living components. Then, they collect stream water and identify insects and other microscopic life. They observe how these insects are well adapted to live in the pond ecosystem and learn their feeding habits. **Science 2 b & c, 3 a, b & d**

Watercolor of Pond Ecosystem: Students will observe the pond ecosystem to discover its Biotic (living) and Abiotic (non-living) components. They lightly sketch then paint watercolor interpretations of the magic of the pond ecosystem including 3 biotic and 3 abiotic components. **Science Standard 3a**

Food Chain Safari: Students will use binoculars to explore the landscape for organisms in food chains of the Oak Woodland. They explain the importance of plants, describe eating behaviors of consumers & trace the flow of energy from sun through the food chain. **Science Standards 2 a, b & c**

Watershed Model and Erosion: Students participate in a hands-on model of watershed dynamics and erosion processes. They then tour Circle J, observing and describing landforms changed by erosion. **Science Standards 5 a, b & c**