



River Science

Sample One-Day Program Module

9:00-10:00 Welcome to Mother Lode River Center

Introductions of Staff
Safety Guidelines and Rules
Quick Site Tour

10-10:15 — *In Small Groups*

Play short name game
Hand out Journal
Set behavior Guidelines (See Rules and Behavior Expectations Sheet)

10:15-10:40 — *Observations of the River*

What kind of bodies of water do the students know?
Water Resources Game
Sensory Observation — Touch and Feel Bags
Observation/Sound Map

10:40-11:05 — *Properties of Water*

Ask: What do you know about water?
What else is water called?
"H₂O" what does it mean?
Water Pressure
Water Density
Surface Tension

11:05-11:30 — *Water Cycle*

Ask: What is a cycle?
Water cycle Diagram
Bracelets

11:30-12:30 — Lunch and free time



12:30-1:15 — *Water Investigation*

Ask: How are Scientists Investigators?
Scientific Methods

Ask: What is a Bog?
How is it different than a River?

Students are the Scientists (break groups into 3 or 4s)

Note: Remind students of Respect for Nature, Fragility of Ecosystems

One person from each group collects from water samples

Temperature

pH levels

Oxygen levels

1:15-2:00 — *Aquatic Insect Observation*

Collect samples

Observe

Make Scientific Drawings of insects

ID insects

Brainstorm: Why are insects important?

2:00-2:30 — *Swiftwater Rescue*

Throw-bag rescue toss

Swimming in current, ferry angles

River crossing, tripod method

2:30-3:00

Water Politics Discussion

Letter Writing

Closing and Goodbye